DBXpress

User Guide

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Chapter 1: Getting Started

Introduction

Welcome to *DBXpress*, the database administration tool designed with the *novice* user in mind. You simply select the ready-made template you want to work with, enter your data, and DBXpress generates your database. You can then run reports to extract records that match your specified search criteria and present these records on the screen according to your preferences.

DBXpress includes 11 templates (grouped into five categories):

Teacher Student Grades template Designed for a teacher, instructor, professor or other educational professional. (Category: Education).

Contacts template Designed for people who need to maintain an extensive list of personal or professional contacts. (Category: Membership Organization).

Membership template Designed for people who need to track personal and financial details of an organization.(Category: Membership Organization).

Employees template Designed for small business owners who need to track information about their employees. (Category: Small Business).

Inventory template Designed for small business owners who need to track products, inventories, suppliers, purchase orders, transactions and shipping methods. (Category: Small Business).

Restaurant Menu template Designed for restaurant owners who need to manage menu items, ingredients, preparation time and meal categorizations. (Category: Small Business).

Recipe Collection template Designed for cooking enthusiasts who want a convenient way to store their recipes. (Category: Personal).

Music Collection template Designed for the music enthusiast who wants a convenient way to store information about a collection of musical recordings. (Category: Personal).

Movie Collection template Designed for the movie fan who wants to store information about a personal movie collection. (Category: Personal).

Wine Collection template Designed for the wine collector who needs to keep track of a wine stock. (Category: Personal).

Property Listing template Designed for the real estate professional who needs to track of property listings. This template allows you to store property specifications (number of rooms, baths, etc.) as well as when the property was offered for sale, when it was sold and to whom. It also stores information about the real estate agency or firm associated with the property. (Category: Real Estate).

This user guide provides detailed descriptions of each template. It explains everything you need to know to successfully use DBXpress, including:

- how to install templates.
- how to populate them with data.
- how to query the database to extract the information you need.

Detailed descriptions of each template are also provided.

Understanding database concepts

Although you do not have to understand the underlying database concepts at work in DBXPress, a basic familiarity with them will enhance your use of the product. The following subtopics provide basic information about core database concepts.

About databases

A *database* is a collection of tables used to store data (information). The *tables* in a database consist of *columns* and *rows*; the columns define the type of data stored in the rows. The power of databases lies in their ability to be *queried* for information that resides within different tables.

To better understand this concept, imagine you have a database which stores the personal information of people you know. This database includes two tables: one for contact names, the other for company information. The contacts table would include columns for first name, last name and company ID (and other people-related data); the companies table would include columns for company name and company ID (and other data company-related date). Represented visually, the tables would look like this:

first_name	last_name	company_id
Bill	Gates	001
James	Gosling	002
Bill	Joy	003

company_id	company_name
001	Microsoft, Inc.

company_id	company_name
002	Sun Microsystems, Inc.
003	Sun Microsystems, Inc.

Because both tables are related through the company_id column (a three-digit number of the integer data type), we do not need to add a company_name column in the contact table for our database queries to get the names of people associated with a particular company. It also means that we can revise a company name and automatically update the records associated with persons in our contact table who work for that company.

About data types

In SQL (Standard Query Language), all columns are required to have a defined *data type*. The data type specifies the format in which the data will be stored and has an associated size attribute, which determines how much memory will be allocated for the value in the database. Well-designed databases (like DBXpress) use the smallest possible memory allocation for each column used.

DBXpress uses the following data types (among others):

VARCHAR Short for "Variable Character." Used for data of an uncertain length; the character count is set to accommodate the longest expected value. DBXPress uses VARCHAR to store such data as names, addresses, cities, etc.

INT Short for "Integer." Used to store a whole number. DBXPress uses integers primarily for ID columns.

DECIMAL Used to store decimal numbers. The DECIMAL type specifics *precision*, the number of digits appearing to the left of the decimal point, and *scale*, the number of digits appearing to the right of the decimal point.

DATE Used to stored dates.

Chapter 2: Looking at the User Interface

Looking at the Main page

After you log into DBXpress, the first thing you see is the Main page.
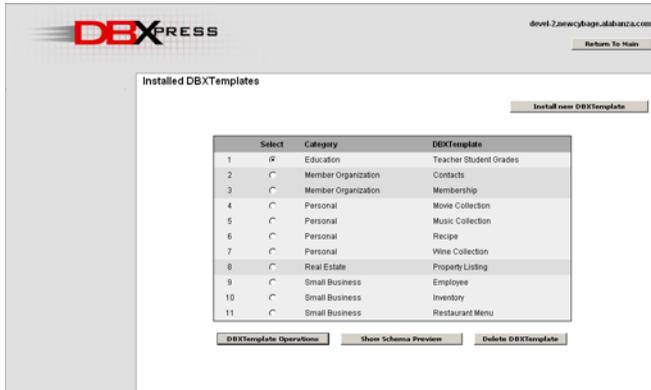
The Main page is divided into three sections:

Navigation bar The *navigation bar* is located at the top of the page. It includes the DBXpress logo (on the left-hand side), your domain name (on the right-hand side) and the button you click to return to the Main page (below your domain name).

Workspace The section below the navigation bar (and to the right). This is where you install a new template, load the template upon which you want to perform operations, preview a template schema or delete a template.

Menu Bar The section below the DBXpress logo (and to the left of the workspace). The menu bar shows the data management and report management menu items for the currently selected template; when no template has been selected (i.e., when you first log into the system) the menu bar is empty.

Looking at the template menus

Once you have selected a template, the menu bar refreshes to show the menu items associated with the template. The menu bar is comprised of three sections:

Template title The name of the currently selected template.

Data management options Hyperlinks that open forms in the workspace that you use to add, list and update data.

Report management options   A hyperlink that refreshes the workspace to show all reports you have created for the selected template.

The following image shows the menu for the Teacher Student Grades template:

Chapter 3: Installing Templates

About template installation and MySQL quota

Strictly speaking, DBXpress templates are not databases themselves, but rather, collections of tables within a single MySQL database on your domain. This database is named:

DBX_<domainname>

Your DBXpress database is considered to be a part of the DBXpress application, and is not counted as one of the MySQL databases provided in your hosting package. This is a benefit to you because it means that you can install as many of the templates as you wish without having to sacrifice any additional databases you may have already installed on your domain. Keep in mind, however, that DBXpress does effect your MySQL Quota (i.e., the amount of disk space you have been allocated for MySQL databases on your server). DBXpress will alert you if the installation or population of a template exceeds your MySQL Quota.

Previewing template schemas

Before you choose to install a template, you can view its *schema* to get a better idea of the type of information it is designed to store. A *database schema* provides detailed information about the tables in a database, including:

• The name of each table. The table name starts with the DBXTemplate name followed by a description of what the table stores, with hard spaces replaced with underscores. For example, the Wine DBXtemplate table that tracks how many bottles of wine have been consumed is titled Wine_collection_wine_consume.
• The name of each column, its data type and field size.

You can also examine a template schema to determine which of its tables are related. Two tables are related if both include a column with the same name. For example, in the Contacts DBXtemplate, both the *Contacts_contacts* and *Contacts_contact_type* tables include a *contact_type_id* column.

To show a schema preview:

1 From the DBXpress Main page, click the radio button for the template whose schema you wish to preview.

2 Click Show Preview Schema.

The template schemas may also be viewed in Viewing Schemas

Installing new templates

When you attempt to install a DBXpress template, your MySQL quota (the disk space allotted to you for MySQL databases) is verified. If installing the template will not put you over your quota, the template is installed; should installing the template make you exceed your quota, you will receive an error message. You will then have to remove enough data from one of your existing databases to create disk space for the DBXpress template and the data you intend to enter into it.

To install a template:

1 From the DBXpress Main page, click the Install new DBXtemplate button.

2 Select the template category from the Category select list.

3 Select the template you want to install from the DBXTemplate select list. When you make a selection, a brief description of the template appears in the field below both select lists.

4 Click Install Now. DBXpress verifies your MySQL disk space quota. If you do not have sufficient MySQL disk space, an error message is displayed that provides information on available disk space and used disk space. If you do have sufficient space, the tables in the template are copied into your DBXpress MySQL database.

Deleting templates

When you delete a template, all tables associated with that template are deleted from the the DBXPress. The template then re-appears in the list of available templates.

To delete a template:
From the DBXpress Main page, click the Install new DBXTemplate button.

Chapter 4: Working with Data

About template operations

Template operations are actions that you perform on data. There are three template operations in DBXpress:

- Adding, editing or deleting data
- Listing data
- Creating and running reports

The tools you use to perform template operations are consistent throughout DBXpress, regardless of the template you are working with. All are simple web forms that function the same way as the those you have probably used before (e.g., if you have established a user account on a website, shopped online, etc.) This chapter explains how to use these forms.

For detailed information about what you can store in each template, see Using templates.

About form elements

The forms you use to enter, select, edit and list data in DBXpress contain various *form elements*. These elements (parts of the interface) include the following types:

Text input A field into which you type information (words, numbers or some combination of the two).

Radio button A circular button which presents one option within a set of options. When you encounter a group of radio buttons it indicates that you must make a choice (i.e. only one radio button may be selected). Radio buttons are often used in an either/or situation; for example, Yes or No.

Select list A form element with a down arrow displayed to the right; when you click the down arrow, the available options are presented in a list. Select lists are often referred to as "drop-down menus."

Checkboxes A group of square buttons that provides a set list of options. Checkboxes are multiple-choice; in other words, you can check more than one.

Submit button A button you click at the bottom of the form which sends (or "posts") the values you entered/selected to DBXpress for processing.

Selecting templates

Before you can perform an operation on a template (e.g., add data, list data, etc.), you must select the template to access its menu.

To select a template:

1 From the Main page, check the radio button for the desired template. If you are not currently on the Main page, click the Return to Main button to go there.

2 Click the DBXpress Template Operations button.

The menu area refreshes to show the options available for the selected template.

Adding data

When you add data to a template, DBXpress writes the actual information you have entered (or selected) into the appropriate tables. In addition, DBXpress adds the necessary column IDs to relate the tables and enable database queries. To revise or delete data you have entered, you use the relevant List item from the Manage Template Data menu to select the record you want to work with.

To add data:

1 Select the template you want to work with.

2 From the Manage DBXTemplate Data menu, click the *Add* link for the type of information you want to add.

3 DBXpress displays a form into which you may add your data.

To edit data:

1 From the Manage DBXTemplate Data menu, click the *List* link for the type of information you want to edit.

2 Click the hyperlinked text for the data record you want to edit.

3 Make the desired changes in the form.

To delete data:

1 From the Manage DBXTemplate Data menu, click the *List* link for the type of information you want to delete.

2 Check the Delete checkbox in each data record row you want to remove.

3 Click Delete.

Listing data

You can view a list of all the records you have entered for a particular type of data. For example, in the Contacts template, you can view Contact, Contact Type, and Company data. An input field above the data listing allows you to search for records (which is useful when you have entered a large amount of data). In addition to viewing the data you have entered, you use the list data feature to edit or delete data records.

To list data:

1 Select the template you want to work with.

2 From the Manage DBXTemplate Data menu, click the *List* link for the type of information you want to edit.

To search for data:

1 In the record listing, enter a search string in the input field displayed above the data record rows.

2 Click Go.

For more information on how DBXpress performs searches, see Selecting templates.

About data searches

Whenever you list data or run a report, a *search field*—labeled to indicate the column which will be searched—appears above the results page. The string you enter in this field will return any data records that contain the search string, regardless of the length of the string you entered. To better understand the concept, imagine you are working with the Contacts template, and your results page shows the following company names:

```
1. New Saturations Incorporated

2. Yellowbread Solutions Unlimited

3. Cutting Hedge Services, LLC
```

Entering *LL* would match records 2 and 3 because *Yellowbread* and *LLC* both contain the string *ll* (and because the search function is case-insensitive). Entering *bread* would only return one item: record 2.

Managing reports

A *query report* is a custom results page that returns a particular type of data record according to your search preferences. The word *query* comes from *SQL*, or *Standard Query Language,* the programming language used by most database formats (including MySQL) to both *put* information into a database and *extract* information from a database. The power and convenience of DBXpress is that it executes these SQL statements (or

queries) on your behalf, based upon on the form settings you set when creating and running a report.

For details about which columns you can search on and by for a particular DBXpress Template, see Using templates.

Creating reports

When you create a report, you choose what information to *search for* and what columns to *search by*. You also specify which columns to display in the results page, how they will be labeled (in the table heading row), how the results will be sorted and what the report will be titled. You can create as many reports as you wish.

To create a report:

1 Select the template for which you want to create a report.

2 Click Manage Reports from the Manage DBXTemplate Data menu (left-hand pane of the window).

3 Click Create new report.

4 Select the subject of the report from the available options in the Search for select list. For most templates, you will have only one option.

5 Select the column upon which your search will be performed (when you run the report) from the Search by select list.

6 Enter a title for the report in the Report Title input field.

7 Click Next.

8 Click the checkbox at the top of the column selection list to include all template columns in your report results. If you prefer, you can limit the columns shown in your report as well as change the display name used for each column.

9 Click Next.

10 Click Update Report to create the report. If you prefer, you can change the default order in which the columns will be displayed in the report (from left to right).

To update a report:

1 Select the template containing the report you want to update.

2 Click Manage Reports.

3 From the Report List table, click the title of the report you want to update.

4 Make the desired changes (clicking Next to proceed through the report).

To delete a report:

1 Select the template containing the report you want to delete.

2 Click the DBXTemplate Operations button.

3 Click Manage Reports.

4 From the Report List table, check the Delete box for the report you want to delete.

5 Click the Delete button. You are asked to confirm your decision.

Setting column options

You can control which columns are shown when you run a report (one, multiple or all), change the *display name* (header text) of each column shown, and define the order in which columns appear in the results page (left to right).

To set column display options:

1 From the Main page, select the template that contains the report you want to update.

2 Click Manage Reports from the Manage Reports menu.

3 Click the hyperlinked report title to open the report you want to update.

4 In the Display Report Columns section of the Update Report page, check the numbered checkboxes of the columns you want to display. You can use the checkbox above the column to select all or none of the columns, and then check or uncheck the columns to achieve the setting you need. To change the display name for a column, edit the name shown.

5 Click Next. On the following page, click Update Report.

To set sorting preference:

1 From the Main page select the template that contains the report you want to update.

2 Click Manage Reports from the Manage Reports menu.

3 Click the hyperlinked report title to open the report you want to update.

4 Click Next to proceed to the column sorting tool.

5 Select the column you want to sort the report on from the Sort By Column select list.

6 Click Update Report.

Running reports

When you run a report, DBXpress opens a popup window that includes a search input field, which you use to search on the column you defined for the report.

To run a report:

1 Select the template containing the report you want to update.

2 Click Manage Reports.

3 From the Report List table, click Run in the row associated with the report. A pop-up window is displayed, showing a search field.

4 Enter the desired search string in the field and click Search (or hit the Enter key on your keyboard).

Chapter 5: Using Templates

Overview

This following subtopics provide detailed descriptions of the data you may store in each template. They also define the types of reports you may create and run. Although the data you work with varies from template to template, the tools you use to enter, edit and display this data are consistent throughout DBXPress. These tools are introduced and explained in "Chapter 4:Working with Data" on page 8.

Teacher Student Grades template

The *Teacher Student Grades* template is designed for employees of an educational institution; teachers, departmental heads and support staff personnel. It is in the *Membership* category and allows you to store the following information:

Students Personal details, classes enrolled in, assignments (included if the assignment was received on-time), and grades.

Classes Title, scheduled meeting time, location, student enrollment, teacher, credits earned.

Departments Location and staff.

The tools you use to perform template operations are consistent throughout DBXpress, regardless of the template you are working with. The following subtopics describe the data you can enter into this template, as well as the kinds of reports you can create. For instructions on how to manage data and reports, see "Chapter 4:Working with Data" on page 8.

Department data

Data	Description
Department Name	Name of the department (required).
Department Chairperson	Name of the department chairperson. You can choose to enter either the full name (e.g. Dr. John Smith) or just the last name (e.g. Smith).
Department Manager	Name of the department manager (either full name or last name).

Instructor data

Data	Descriptions
Prefix	The prefix (if there is one) to the instructor's name (e.g., Mr., Ms., Dr.).
First Name	The instructor's first name (required).
Middle Name	The instructor's middle name.
Last Name	The instructor's last name (required).
Suffix	Any suffix to the instructor's name (e.g. Ph.D., Esq.).
Address1	The first line of the instructor's address. (For all location fields, you can choose to enter the instructor's home or office address.)
Address2	The second line of the instructor's address.
City	The instructor's city.
State	The instructor's state.
Zip	The instructor's zip or postal code.
Country	The instructor's country.
Home Phone	The instructor's home phone number.
Mobile Phone	The instructor's mobile phone number.
Email	The instructor's email address. (This can be an office or off-site address.)

Class data

Data	Description
Class Name	The name of the class (required).
Department	The department offering the class, e.g., English, Drama, Geology, etc. (required).
Section Number	The ID number for the class as referenced in the official course catalog of the department, e.g., 101, 102, 201, 202. etc.
Instructor	The person assigned to teach the class (required).
Term	The term or semester in which the class is offered.
Credit Units	The number of credits awarded if the student fulfills the requirements of the class, e.g. if they receive a passing grade.
Year	The year the class was (or will be) offered.

Data	Description
Location	The room, building or other designated place where the class meets.
Start Date	The start date of the class.
End Date	The end date of the class.

Class schedule data

Data	Description
Class	The name of the class (required).
Weekday	The day or days of the week the class meets. For brevity, you may want to use abbreviations in this field, e.g., "T" for Tuesday, "Th" for Thursday, "M - F" for Monday through Friday (required).
Start Time	The time the class starts (required).
End Time	The time the class ends (required).

Assignment data

Data	Description
Assignment Name	The name of the assignment (required).
Class Name	The class associated with the assignment (required).
Examination	Whether the assignment is an examination or not.
Percentage of Grade	The percentage that the assignment counts toward the student's final grade (required).
Maximum Points	The maximum number of points a student may score on the assignment (required).

Student data

Data	Description
Student Id	A number used to identify the student (required).
First Name	The student's first name (required).
Middle Name	The student's middle name.
Last Name	The student's last name (required).

Data	Description
Suffix	Any suffix to the student's name.
Date of Birth	The student's date of birth.
Address1	The first line of the student's address.
Address2	The second line of the student's address.
Zip	The student's zip or postal code.
City	The student's city.
State	The student's state.
Country	The student's country.
Home Phone	The student's home phone number.
Mobile Phone	The student's mobile phone number.
Email	The student's email address.
Parents Name	The name(s) of the student's parent(s).
Major	The student's major.
Class Name	The names of the classes a student is taking (required).
Notes	Any notes you would like to add.

Result data

Data	Description
Student Name	The name of the student who submitted the assignment.
Assignment Name	The name of the assignment.
Score	The student's score (grade) on the assignment.
Late	Whether the assignment was submitted late or not.

Grade data

Data	Description
Class Name	The name of the class.
Student Name	The name of the student.
Grade	The final grade of the student (required).

Student reports

A *student report* searches for instructors by Instructor name or Class name. You can choose to include any of the following columns in the results table shown when you run the report:

- Student name
- Address
- Phone numbers
- Email
- Parent names
- Class name
- Assignment names
- Score
- Grade

Instructor reports

An *instructor report* searches for instructors by Instructor name or Class name. You can choose to include any of the following columns in the results table shown when you run the report:

- Instructor name
- Address
- Email
- Home phone
- Mobile number
- Class name

Assignment reports

An *assignment report* searches for instructors by Assignment name or Class name. You can choose to include any of the following columns in the results table shown when you run the report:

- Assignment name
- Class name
- Is examination
- Maximum points
- Percentage of grades

Contacts template

The *Contacts* template is designed for people who need to maintain an extensive list of personal or professional contacts. It is in the *Membership Organization* category and allows you to store the following information:

- personal details (name, address, date of birth, place of work, etc.)
- telephone numbers (home, office, mobile, etc.)
- email and IM addresses
- marital status
- name of spouse or significant other
- children of the person
- the person's anniversary (wedding, year-of-employment, etc.)
- type of contact (as defined by you)
- who referred you to the person
- when you first contacted the person

The tools you use to perform template operations are consistent throughout DBXpress, regardless of the template you are working with. The following subtopics describe the data you can enter into this template, as well as the kinds of reports you can create. For instructions on how to manage data and reports, see "Chapter 4:Working with Data" on page 8.

Contact Type data

Data	Description
Contact Type	A generic type that you can use to group your contacts.

Company data

Data	Description
Company Name	The name of the company (required).
Address1	The first line of the company's address. Typically, this is the street address.
Address2	The second line of the company's address. Typically, this is a building, floor, suite or apartment number.
Address3	An additional address field to provide room for extended address information.
City	The city in which the company is located.

Data	Description
State	The state in which the company is located.
Zip	The ZIP or postal code for the company.
Country	The country in which the company is located.
Phone	The main telephone number for the company.
Fax Number	The number of the company's main fax machine.
Website	The URL of the company's website.

Contact data

Data	Description
Contact Type	A generic type that you can use to group your contacts (required).
Prefix	Any prefixes to the contact's name.
First Name	The contact's first name (required).
Middle Name	The contact's middle name.
Last Name	The contact's last name (required).
Suffix	Any suffixes to the contact's name.
Gender	The contact's gender.
Date of Birth	The contact's date of birth.
Nickname	The contact's nickname.
Relationship	Your relationship to the contact.
Anniversary	The contact's anniversary.
Marital Status	The contact's marital status.
Spouse Significant Other	The name of the contact's spouse or significant other.
Children Names	The names of the contact's children (if she or he has children).
Address1	The first line of the contact's address.
Address2	The second line of the contact's address.
City	The contact's city.
State	The contact's state.
Zip	The contact's zip or postal code.
Country	The contact's country.

Data	Description
Home Phone	The contact's home phone number.
Mobile	The contact's mobile phone number.
Pager	The contact's pager number.
IM Address	The contact's instant messaging screen name.
Email1	The client's primary email address.
Email2	The client's secondary email address.
Company Name	The name of the client's company.
Company Phone	The client's company phone number.
Job Title	The client's job title.
Status	A generic type field you can use to describe some kind of status.
Referred by	The person who referred the client to you (or you to the client).
First Contact Date	The date of the first contact between you and the client.

Contact reports

A *contact report* searches for contacts by Company Name, Date Of Birth, Contact Name, Contact Type, or Gender. You can include any of the following columns in the results table shown when you run the report:

- Contact Name
- Date Of Birth
- Relationship
- Marital Status
- Address
- State
- Country
- Home Phone
- Mobile
- Instant Messenger Address
- Contact Type
- Gender

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instructions on how to manage data and reports, see "Chapter 4:Working with Data" on page 8.

Membership template

The *Membership* template allows you to manage the membership of an organization. It is in the *Membership Organization* category, and allows you to store the following information:

Members The personal details of a member.

Type A generic field for storing types that you define.

Payment Details about subscription/dues payments or donations received; payment date, amount and method.

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Member type data

Data	Description
Member Type	The type of member (required).
Member Dues	The dues this type of member must pay to be a member in good standing.

Payment type data

Data	Description
Payment Method	How the member paid (or donated to) the organization, e.g., credit card, check, cash, etc. (required).

Member data

Data	Description
Member Type	The member's type (required). You are free to define this in any way you wish.

Data	Description
Prefix	Any prefix to the contact's name, e.g., Mr., Mrs., Dr., etc.
First Name	The member's first name (required).
Middle Name	The member's middle name.
Last Name	The member's last name (required).
Suffix	Any suffix to the contact's name, e.g., Ph.D., Esq., Jr., etc.
Gender	The member's gender (male or female).
Date of Birth	The member's date of birth.
Nickname	The member's nickname.
Relationship	The relationship of the member to you (if there is one).
Position Role	The member's position within the organization.
Spouse Significant Other	The name of the member's spouse or significant other.
Children Names	The names of the member's children (if she or he has any).
Address1	The first line of the member's address.
Address2	The second line of member's address.
City	The member's city.
State	The member's state.
Zip	The member's zip or postal code.
Country	The member's country.
Home Phone	The member's home phone number.
Mobile	The member's mobile phone number.
Pager	The member's pager number.
IM Address	The member's instant messaging screen name.
Email1	The member's primary email address.
Email2	The member's secondary email address.
Organization Name	Either the name of your organization, or the primary organization with which the member is affiliated.
Job Title	The occupation of the member (outside the organization).
Date Joined	The date the member joined the organization.
Payment Status	The member's payment status.

Payment data

Data	Description
Member	The member's name.
Payment Method	The method of payment (required).
Date	The date the member paid (required).
Amount	The amount paid (required).

Member reports

A *member report* searches for members by Date Joined, Date of Birth, Member Name, Member Type or Organization Name. You can choose to display any of the following columns in the report:

• Member Name
• Date Of Birth
• Nickname
• Relationship
• Position Role
• Address
• State
• Country
• Home Phone
• Mobile
• Email
• Organization Name
• Date Joined
• Payment Status
• Member Type

Payment reports

A *payment report* searches for payments by Member Date, Payment Date or Payment Method. You can choose to display any of the following columns in the report:

• Member Name
• Payment Method

- Payment Date
- Payment Amount

The tools you use to perform template operations are consistent throughout DBXpress, regardless of the template you are working with. The following subtopics describe the data you can enter into this template, as well as the kinds of reports you can create. For instructions on how to manage data and reports, see "Chapter 4:Working with Data" on page 8.

Movie Collection template

The *Movie Collection* template allows you to catalog movies you own or are interested in. It is in the *Personal* category and allows you to store the following information:

Credits The title, actor, director and producer.

Format The media in which the movie exists, e.g., DVD region encoding, video cassette (NTSC, PAL, etc.), original print, etc.

Release dates The theatrical and home-video release dates.

Length The time it takes to view the entire movie.

You can also use the template to assign ratings and record observations (notes, reviews, etc.).

The tools you use to perform template operations are consistent throughout DBXpress, regardless of the template you are working with. The following subtopics describe the data you can enter into this template, as well as the kinds of reports you can create. For instructions on how to manage data and reports, see "Chapter 4:Working with Data" on page 8.

Program type data

Data	Description
Program Type	The media on which the movie is archived, e.g., DVD, VHS, etc.

Actor data

Data	Description
First Name	The actor's first name (required).

Data	Description
Middle Name	The actor's middle name.
Last Name	The actor's last name (required).

Movie data

Data	Description
Program Title	The title of the movie (required).
Program Type	The type of media the movie is archived on (required).
Recording Length	The length of the movie.
Recording Date	The date the movie was produced.
Director	The movie's director.
Producer	The movie's producer(s).
Actor Name	Actors starring in the movie (required).
Release Year	The year the movie was released.
Rating	The movie's rating.
Genre	The movie's genre.
Subject	The movie's subject.
Review	Your opinion (or someone else's) of the movie.
Notes	Any notes you would like to add.

Movie reports

A *movie report* searches for movies by title, type, recording date, director, actor, producer and release year. You can choose to display any of the following columns in the report:

- Movie title
- Actors
- Director name
- Producer
- Movie type
- Recording date
- Recording length
- Release year

- Review
- Subject
- Genre

Music Collection template

The *Music Collection* template allows you to catalog a recorded music collection. It is in the *Personal* category and allows you to store the following information for each musical recording:

Recording details The recording artist, recording title, release date, and record company.

Format The media in which the recording exists (e.g., vinyl, audio cassette, MP3, CD, etc.).

Tracks The song/musical piece titles and the sequence in which they appear on the media.

You can also create and assign your own musical categories.

The tools you use to perform template operations are consistent throughout DBXpress, regardless of the template you are working with. The following subtopics describe the data you can enter into this template, as well as the kinds of reports you can create. For instructions on how to manage data and reports, see "Chapter 4:Working with Data" on page 8.

Managing music categories

Data	Description
Music Category Name	The name of the music genre, style, or whatever categorization you want to use, e.g, Country, Rhythm and Blues, Gospel, Pop, Classical, Bass and Drums, etc. (required).

Managing recording artists

Data	Description
Recording Artist Name	The artist's name. You can also use this field to store the name of the musical group, quartet, orchestra, conductor, composer, etc. (required).

Data	Description
Date of Birth	The artist's date of birth.
Date of Death	The artist's date of death.
Place of Birth	The artist's place of birth.
Notes	Any notes you would like to add.

Managing recordings

Data	Description
Recording Title	The recording's title (required).
Recording Artist	The recording artist (required).
Music Category	The recording's genre (required).
Record Label	The recording's record label.
Release Year	The year the recording was released.
Format	The format in which the music has been archived, be it digital (e.g. CD, MP3) or analog (e.g., audio cassette, reel-to-reel, eight track or vinyl).
Number of Tracks	The number of tracks on the recording.
Purchase Date	The date the recording was purchased.
Purchase Price	The price of the recording.
Notes	Any notes you would like to add.

Managing tracks

Data	Description
Recording Title	The name of the recording (required).
Track Title	The name of the track (required).
Track Number	The track's number in the recording sequence.
Track Length	The track's length.

Recording reports

A *recording report* searches for recordings by Artist name, Category, Release year, or Purchase date. You can choose to display any of the following columns in the report:

- Recording title
- Music category
- Format
- Purchase date
- Purchase price
- Recording label
- Release year
- Artist name
- Number of tracks
- Track length

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Recipe Collection template

The *Recipe Collection* template is designed for people who need easy access to their recipes. It is in the *Personal* category and allows you to store the following information:

Cooking instructions The steps to be followed to cook the dish.

Duration How long it take to prepare the ingredients as well as to cook the dish itself.

Serving size How many servings the dish will yield.

Ingredients The various food parts that make up the dish (used in combination with a Quantity column which specifies the amount to use).

Source How you learned of the recipe (e.g., friend, television show, cooking book with proper attributions, personal research, etc.).

The template also accommodates generic information such as notes, descriptions, meal types and a vegetarian column to flag no-meat recipes.

The tools you use to perform template operations are consistent throughout DBXpress, regardless of the template you are working with. The following subtopics describe the data you can enter into this template, as well as the kinds of reports you can create. For instructions on how to manage data and reports, see "Chapter 4:Working with Data" on page 8.

Food category data

Data	Description
Food Category	The category of the food. You can define category any way you wish, e.g., produce, poultry, seafood, beef, etc. (required).

Ingredient data

Data	Description
Ingredient	The name of the ingredient (required).

Recipe data

Data	Description
Recipe Title	The name of the recipe (required).
Recipe Description	A brief description of the recipe.
Source	The source of the recipe e.g., adaptation of an existing recipe found in a cookbook, a television program, a friend or colleague, etc.
Which Meal	The meal the recipe is associated with, e.g., breakfast, lunch, brunch, appetizer, dinner or dessert.
Food Category	Any category you wish to assign, e.g., Mexican, Chinese, Continental, etc. Keep in mind that the Recipe template has special fields for certain kinds of foods (e.g., Vegetarian) so you should verify that you are not duplicating any of them in the categories you create.
Vegetarian	Whether the meal is vegetarian or not.
Serve Size	The serving size, in any way you wish to define it, e.g., 3 people, family, single, 3 pounds, etc.
Prepare Time	The time required to prepare the foodstuffs used in the recipe prior to cooking them, e.g., how long it takes to pare, skin and dice the vegetables for use in a vegetable soup.
Cook Time	The time required to fry, saute, bake, broil, etc. the dish.
Instructions	The steps you follow to prepare the dish.
Notes	Any notes you wish to add.

Recipe ingredient data

Data	Description
Recipe Title	A recipe which requires the ingredient (required).
Ingredient	The name of the ingredient (required).
Quantity	The ingredient's quantity (required).
Unit	The unit of measurement associated with the ingredient, e.g, for liquids, this might be cup, quart, liter, ounce, etc. (required).
Notes	Any notes you wish to add.

Recipe reports

A *recipe report* searches for recipes by Food category, Is vegetarian, Ingredients, Prepare time, and Cook time. You can choose to display any of the following columns in the report:

- Recipe title
- Food category
- Ingredients
- Prepare Time
- Instructions
- Notes
- Description
- Source
- Vegetarian
- Meal type
- Quantity

Wine Collection template

The *Wine Collection* template is designed to accommodate the needs of experienced wine collectors and budding wine enthusiasts. It is in the *Personal* category and allows you to store the following information:

Name, vintage and vineyard The name under which the wine was bought and sold; the year in which it was bottled; and the name of the vineyard that grew the grapes which were fermented to produce the wine.

Country of origin The country in which the wine was produced.

Alcohol content The percentage of alcohol in the wine.

Purchase details The monetary value of the wine (or the price you paid when you purchased it).

Quantity The number of bottles of the wine you own.

Consumption If and when the wine was consumed and where.

Type A generic description that you can use to classify/categorize the wine.

The tools you use to perform template operations are consistent throughout DBXpress, regardless of the template you are working with. The following subtopics describe the data you can enter into this template, as well as the kinds of reports you can create. For instructions on how to manage data and reports, see "Chapter 4:Working with Data" on page 8.

Wine type data

Data	Description
Wine Type	A general classifier you can use to group wines (required).

Wine data

Data	Description
Wine Name	The name of the wine (required).
Wine Type	The wine's type (required).
Vineyard	The wine's vineyard.
Vintage	The wine's vintage.
Color	The wine's color.
Smell	A brief description of the wine's scent.
Finish	A brief description of the wine's finish.
Overall Taste	A brief description of the wine's overall taste.
Country of Origin	The wine's country of origin.
Region	The wine's region of origin.
Serve Instructions	Any serving instructions specific to the wine.
Percent Alcohol	The wine's alcohol percentage.
Bottle Market Value	The monetary value of the bottle.

Data	Description
Bottle Size	The bottle's size.
Notes	Any notes you would like to add.

Wine purchase data

Data	Description
Wine Name	The name of the wine (required).
Purchase Date	The date you purchased the wine.
Purchase Location	Where the wine was purchased.
Quantity	The quantity that was purchased (required).
Purchase Price	The price you paid for the wine.
Notes	Any notes you wish to add.

Wines consumed data

Data	Description
Wine Name	The wine's name (required).
Consume Quantity	The quantity consumed (required).
Consume Location	Where the wine was consumed.
Notes	Any notes you wish to add.

Wine details reports

A *wine details* report searches for Wine Name, Color, Percent Alcohol, Bottle, Market Value, or Wine Type. You can choose to display any of the following columns in the report:

- Wine Name
- Vineyard
- Vintage
- Color
- Smell
- Finish

- Overall Taste
- Country Of Origin
- Region
- Serve Instructions
- Percent Alcohol
- Bottle Market Value
- Bottle Size
- Notes
- Wine Type

Wine purchase information reports

A *wine purchase* report searches for Wine Name and Purchase Date. You can choose to display any of the following columns in the report:

- Wine Name
- Purchase Date
- Purchase Location
- Quantity
- Purchase
- Purchase Price
- Notes

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Property Listing template

The *Property Listing* template is geared toward professionals with a vested interest in real estate, be they real estate agents, contractors, or building/home owners. It is in the *Real Estate* category and allows you to store the following information:

Particulars The address of the property, location, facilities, size, etc.

Type A generic descriptor (e.g., residential, commercial) used for classification purposes.

Agents The professional contracted by the owner to liaise with the general public regarding the property (e.g., to facilitate its sale). The agent's contact and personal details can also be maintained.

Sale status When the property was offered for sale and when it was sold.

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Property type data

Data	Description
Property Type	A type of property, for example, vacant lot, condominium, single-family home, etc. (required).

Agency data

Data	Description
Agency Name	The name of the real estate agency.
Address1	The first line of the agency's address.
Address2	The second line of the agency's address.
City	The agency's city.
State	The agency's state.
Zip	The agency's zip code.
Phone	The agency's phone number.
Website	The agency's website.

Agent data

Data	Description
Agency	The agency for which the agent works (required).
First Name	The agent's first name (required).
Last Name	The agent's last name (required).

Property data

Data	Description
Property Title	The name of the property (required)
Agent	The property's real estate agent (required).
Property Type	The type of property (required).
Property Description	A brief description of the property.
List Price	The price at which the property is being offered for sale.
Sale Price	The negotiated price for which the property was sold.
Offer Date	The date the property was first offered for sale.
Sold Date	The date the property was sold, that is, the date the buyer signs a contract and provides the seller an in-earnest deposit.
Address1	The first line of the property's address.
Address2	The second line of the property's address.
City	The property's city.
State	The property's state.
Zip	The property's zip code.
Sq. Ft.	The square footage of the property.
Floors	The number of floors.
Bed Rooms	The number of bedrooms.
Baths	The number of bathrooms that contain an actual shower or bathtub. Bathrooms that do not contain either of these items are commonly referred to as "half-baths."
Living Room	Whether the property has a living room or not.
New Kitchen	Whether the property has a new kitchen or not.
Pets	Whether pets are allowed on the premises or not.
Den	Whether the property has a den or not.
Finish Base	Whether the property has a finished basement or not.
Garage	Whether the property has a garage or not.
Wash Dry	Whether the property includes a washing machine and dryer or not.
Dishwasher	Whether the property comes with a dishwasher or not.
Central Air	Whether the property has central air or not.

Data	Description
Fire Place	Whether the property has a fireplace or not.
Pool	Whether the property has a pool or not.
Yard	Whether the property has a front or back yard or not.
Great Room	Whether the property has a great room or not. A *great room* is typically the largest room and serves as a multi-purpose dining/living room with views to the other main areas of the house.
Desk/ Patio	Whether the property has a deck/patio or not.
Attic	Whether the top floor ceiling provides access to an attic or not.
Water View	Whether the property has a view of the water or not.
Mountain View	Whether the property has a view of a mountain or not.
Water Access	Whether the occupant has access to a body of water from the property (e.g., a dock, marina, river, the beach, etc.).
Construction Type	A general field you can use to describe the core materials used to construct the edifice of the house, e.g., brick, stone, wood., or the architectural style, e.g., Rambler, Victorian, Split-level, Cape Cod.
No. of Acres	Total acreage.

Agent reports

An *agent report* searches for agents by Agent Name or Agency Name; you can choose to show Agency Name, Agent Name or both columns when the report is generated.

Property listing reports

A *property listing* report searches for property listings by Agent Name, Offer Date, Sale Price, Property City, Property Size, or Property Type. You can choose to display any of the following columns in the report:

• Agent Name
• Property Description
• List Price
• Purchase Type
• Offer Date
• Sold Date
• Sale Price
• Property Address
• Property City

- Property State
- Property Size
- Property Type

Employees template

The *Employees* template is designed for the small business owner who needs to track information about employees. It is in the *Small Business* category and allows you to store the following information:

Particulars Identify employees by department, job location and job type.

Job history Track employees' start and end dates.

The tools you use to perform template operations are consistent throughout DBXpress, regardless of the template you are working with. The following subtopics describe the data you can enter into this template, as well as the kinds of reports you can create. For instructions on how to manage data and reports, see "Chapter 4:Working with Data" on page 8.

Job data

Data	Description
Job Title	The position title, e.g., Marketing Director, Sales Associate, Customer Service Representative, etc. (required).
Minimum Salary	The minimum salary an employee can earn in this position.
Maximum Salary.	The maximum salary an employee can earn in this position.
Is Manager	Whether the position is a management position or not.

Location data

Data	Description
Location Name	The physical location where an employee or employees work, e.g., Corporate Headquarters, Smith's Home Office, etc. (required).
Address1	The first line of the location's address.
Address2	The second line of the location's address.
Address3	The third line of the location's address.
City	The location's city.
State	The location's state.

Data	Description
Country	The location's country.
Zip	The location's zip or postal code.
Phone	The location's phone number.
Fax Number	The location's fax number.
Website	The location's website.

Department data

Data	Description
Department Name	The name of the department (required).
Manager Name	The name of the department's manager. You can enter the manager's full name (e.g., Smith, John) or just the last name (required).
Location	The location of the department (required).

Employee data

Data	Description
Prefix	Any prefix to the employee's name, e.g., Mr., Mrs., Ms., Dr., etc.
First Name	The employee's first name (required).
Middle Name	The employee's middle name.
Last Name	The employee's last name (required).
Suffix	Any suffix to the employee's name, e.g. Ph.D., Jr., Esq., etc.
Department Name	The employee's department (required).
Job Name	The employee's job title (required).
Social Security Number	The employee's social security number.
Date of Birth	The employee's date of birth.
Address1	The first line of the employee's address.
Address1	The second line of the employee's address.
City	The employee's city.
State	The employee's state.
Zip	The employee's zip or postal code.

Data	Description
Country	The employee's country.
Home Phone	The employee's home phone number.
Office Phone	The employee's office phone number.
Mobile Phone	The employee's mobile phone number.
Pager	The employee's pager number.
Email1	The employee's primary email address. You might want to reserve this field for the employee's work email address.
Email2	The employee's secondary email address. You might want to reserve this field for the employee's off-site email address.
Status	A generic field you can use to track status.
Hire Date	The date the employee was hired.

Job history data

Data	Description
Employee Name	The name of the employee (required).
Start Date	The start date for the employee.
End Date	The last date at which the employee was still employed at the company.
Current Position	Check Yes if the employee is still working at the company; check No if you have set an End Date for the employee and that date has passed.
Job Title	The position's name (required).
Department Name	The employee's department (required).
Salary	The employee's salary.
Commission	The employees commission.

Employee reports

An *employee report* searches for employees by Employee Name, Department name, Job name, Date of birth or Hire date. You can choose to display any of the following columns in the report:

Job history reports

A *job history report* searches for job history by Employee Name. You can choose to display any of the following columns in the report:

- Department name
- Employee name
- Job title
- Start date
- End

Inventory template

The *Inventory Template* provides a comprehensive solution for small- and medium-sized business owners who need a simple, efficient mechanism for tracking products, purchase orders, transactions and shipping particulars. It is in the *Small Business* category and allows you to store the following information:

Products The products/services your company offers with details.

Suppliers The vendors who provide the products (or product parts) you sell.

Purchase orders The product ordered, the date it was ordered, and the employee who processed the order.

Transactions The date and particulars of a transaction.

The tools you use to perform template operations are consistent throughout DBXpress, regardless of the template you are working with. The following subtopics describe the data you can enter into this template, as well as the kinds of reports you can create. For instructions on how to manage data and reports, see "Chapter 4:Working with Data" on page 8.

Category data

Data	Description
Category Name	The name of a product category, e.g., Hardware, Software, Freeze-Dried Food, Furniture, etc. (required).

Product data

Data	Description
Product Name	The name of the product (required).
Product Description	A brief description of the product.
Category	The product's category (required).
Serial Number	The product's serial number.
Unit Price	The per-unit price of the product
Reorder Level	The inventory level at which the product should be reordered.
Discontinued	Whether the product is discontinued or not.
Lead Time Number	The time it takes (number of days) to bring a product to market.
Color	The product's color.
Size	The product's size.
Manufacturer	The product's manufacturer.
Product Number	How the product type is referenced in a product catalog (as differentiated from a serial number, which is assigned to each individual product produced).
Market Type	The market this product is intended for.
In Stock	Whether the product is currently in stock or not.

Employee data

Data	Description
Employee First Name	The employee's first name (required).
Employee Last Name	The employee's last name (required).

Supplier data

Data	Description
Supplier Name	The name of the supplier (required).
Contact Name	The name of your contact at the supplier.
Contact Title	The contact's title.
Address1	The first line of the supplier's address.

Data	Description
Address2	The second line of the supplier's address.
City	The supplier's city.
State	The supplier's state.
Zip	The supplier's zip or postal code.
Country	The supplier's country.
Phone	The supplier's phone number.
Notes	Any notes you wish to add.

Shipping method data

Data	Description
Shipping Method Name	The name of the shipping method, e.g., parcel post, UPS, FedEx, etc.

Purchase order data

Data	Description
Purchase Order Number	A number you assign to the purchase order for tracking / accounting purposes (required).
Purchase Description	A brief description of the contents of the order.
Supplier Name	The name of the supplier (required).
Employee Name	The name of the employee making or taking the order (required).
Order Date	The date ordered (required).
Require Date	The date the product must be received by.
Promised Date	The promised date of arrival.
Shipping Date	The product's shipping date.
Shipping Method	The method used to ship the product (required).
Freight Charges	Any freight charges that apply to the product's shipping.

Transaction data

Data	Description
Transaction Name	A name given to the transaction to identify it (required).
Product	The product the transaction concerns (required).
Purchase Order Number	The purchase order number of the transaction (required).
Transaction Description	A brief description of the transaction.
Unit Price	The price per unit of the product ordered.
Units Ordered	The number of units ordered.
Units Received	The number of units received.
Units Sold	The number of units sold.
Units Shrinkage	The number of units that are missing, usually due to theft.

Product reports

A *product report* searches for products by Category Name or Product Name. You can choose to display any of the following columns in the report:

- Category Name
- Product Name
- Product Description
- Serial Number
- Unit Price
- Reorder Level
- Lead Time Number
- Lead Time Unit

Supplier reports

A *supplier report* searches for suppliers by Contact name or Supplier name. You can choose to display any of the following columns in the report:

- Supplier Name
- Contact Name
- Address
- State
- Country
- Phone

- Notes

Transaction reports

A *transaction report* searches for transactions by Product Name, Transaction date or Purchase order number. You can choose to display any of the following columns in the report:

- Product Name
- Purchase Order Number
- Transaction Date
- Transaction Description
- Unit Price
- Units Ordered
- Units Received
- Units Sold
- Units Shrinkage

Restaurant Menu template

The *Restaurant Menu* template is geared toward the chef, kitchen staff and menu designers of a small- to medium-sized restaurant. It is in the *Small Business* category and allows you to store the following information:

Food categories The area on the menu where the item is found (e.g., beverage, entree, sandwich, side-dish, pasta, salad, soup, appetizer, etc.) .

Meal details The branded name of your dish (e.g., a hamburger meal entitled, "Beef Discus"), when it is offered (breakfast, lunch, dinner), and how long it takes to prepare.

Meal ingredients and quantities The foodstuffs necessary to prepare the meal.

Seasonal markers The special seasonings associated with the dish; for the benefit of diners who want to select a dish that contains or does not contain the spice associated with the dish.

The tools you use to perform template operations are consistent throughout DBXpress, regardless of the template you are working with. The following subtopics describe the data you can enter into this template, as well as the kinds of reports you can create. For instructions on how to manage data and reports, see "Chapter 4:Working with Data" on page 8.

Food category data

Data	Description
Food Category Name	The name of a food category, such as cheese, bread, or any other system by wish you wish to categorize your foods (required).

Meal type data

Data	Description
Meal Type Name	The name of a meal type, such as dinner, appetizer, or any other system by which you wish to categorize your meals (required).

Meal data

Data	Description
Meal Title	The title of the meal as referenced on the menu (required).
Meal Description	A brief description of the meal.
Food Category	The meal's main food category (required).
Meal Type	The meal's main food type (required).
Vegetarian	Whether the meal is vegetarian or not.
Dairy	Whether the meal contains dairy products or not.
Prepare Time	The meal's preparation time, e.g., how long it takes to peel, slice or dice vegetables to be used in a stew.
Cook Time	The meal's cooking time, e.g., how long a stew must cook before it may be served.
Instructions	Instructions for meal preparation.
Price	The meal's price.
Notes	Any notes you wish to add.

Ingredient data

Data	Description
Ingredient	The name of a non-spice ingredient, e.g., Russet Potato, Beef Tenderloin, Spinach, Cream, Egg, Gala Apple, etc. (required).

Meal ingredient data

Data	Description
Recipe Title	The name of the meal that uses the ingredient (required).
Ingredient	The name of the ingredient (required).
Quantity	The ingredient's quantity, e.g., 1, 3, 6, etc. (required).
Unit	The unit of measurement, e.g. tablespoon, cup, ounces, etc. (required).
Notes	Any notes you wish to add.

Season data

Data	Description
Season Name	The name of the season (required).

Seasonal meal name data

Data	Description
Season Name	The name of the season showcased in the meal; for example Cajun Spice in a blackened fish dish (required).
Meal Title	The name of the meal (required).
Season Meal Name	A way to group / sort meals based on a particular seasoning, e.g., Hot and Spicy, Tangy, etc. You can use this field in any way you wish.

Meal reports

A *meal report* searches for meals by Meal title, Food category, Meal type, Ingredients, season name, or Prepare time. You can choose to display any of the following columns in the report:

- Food category
- Meal title
- Ingredients
- Instructions
- Cook time
- Prepare time

- Meal type

- Season name

- Seasonal meal name

Chapter 6: Viewing Schemas

Teacher Students Grades schema

All table names in this template begin with the string `Teacherstudentgrades_`. This prefix has been stripped in the table listing for readibility.

assignment

Column	Type	Size
Assignment_id	int	9
Assignment_name	varchar	40
Class_id	int	9
Examination	char	1
Percentage_of_grade	decimal	5,0
Maximum_points	decimal	3,0

classes

Column	Type	Size
Class_id	int	9
Class_name	varchar	40
Department_id	int	9
Section_num	varchar	9
Instructor_id	int	9
Term	varchar	25
Credit_units	decimal	2,0
Year	varchar	4
Location	varchar	25
Start_date	Date	--
End_date	Date	--

class_schedule

Column	Type	Size
Class_schedule_id	int	9
Class_id	int	9
Week_day	varchar	25
Start_time_hr	varchar	2
Start_time_min	varchar	2
End_time_hr	varchar	2
End_time_min	varchar	2

department

Column	Type	Size
Department_id	int	9
Department_name	varchar	40
Department_chairperson	varchar	40
Department_manager	varchar	40

instructor

Column	Type	Size
Instructor_id	int	9
Prefix	varchar	10
First_name	varchar	25
Middle_name	varchar	25
Last_name	varchar	25
Suffix	varchar	10
Address1	varchar	25
Address2	varchar	25
City	varchar	25
State	char	2

Column	Type	Size
Zip	varchar	9
Country	varchar	25
Home_phone	varchar	20
Mobile_phone	varchar	20
Email1	varchar	25

result

Column	Type	Size
Results_id	int	9
Student_id	int	9
Assignment_id	int	9
Score	decimal	3,0
Late	char	1

student

Column	Type	Size
Student_id	int	9
Student_identification_number	varchar	25
First_name	varchar	25
Middle_name	varchar	25
Last_name	varchar	25
Suffix	varchar	10
Date_of_birth	date	--
Address1	varchar	25
Address2	varchar	25
City	varchar	25
State	char	2
Zip	varchar	9
Country	varchar	25

Column	Type	Size
Home_phone	varchar	20
Mobile_phone	varchar	20
Email1	varchar	25
Parents_name	varchar	40
Major	varchar	25
Notes	varchar	255

student_classes

Column	Type	Size
Student_class_id	int	9
Class_id	int	40
Student_id	int	9

students_grades

Column	Type	Size
Student_grade_id	int	9
Class_id	int	40
Student_id	int	9
Grade	char	2

Contacts schema

All table names in this template begin with the string `Contacts_`. This prefix has been stripped in the table listing for readibility.

company

Column	Type	Size
Company_id	int	9
Company_name	varchar	25
Address1	varchar	25
Address2	varchar	25
Address3	varchar	25

Column	Type	Size
City	varchar	25
State	varchar	25
Zip	varchar	9
Phone	varchar	20
Fax_number	varchar	20
Country	varchar	25
Website	varchar	25

contact

Column	Type	Size
Contact_id	int	9
Contact_type_id	int	9
Prefix	varchar	10
First_name	varchar	25
Middle_name	varchar	25
Last_name	varchar	25
Suffix	varchar	10
Gender	char	1
Dob	date	--
Nickname	varchar	25
Relationship	varchar	25
Anniversary	date	--
Marital_status	varchar	10
Spouse_significant_other	varchar	25
Children_names	varchar	255
Address1	varchar	25
Address2	varchar	25
City	varchar	25
State	char	2
Zip	varchar	9
Country	varchar	25

Column	Type	Size
Home_phone	varchar	20
Mobile	varchar	20
Pager	varchar	20
Im_address	varchar	25
Email1	varchar	25
Email2	varchar	25
Company_id	int	9
Company_phone	varchar	25
Job_title	varchar	25
Status	varchar	25
Referred_by	varchar	25
First_contact_date	date	--

type

Column	Type	Size
Contact_type_id	int	9
Contact_type	varchar	30

Membership schema

All table names in this template begin with the string `Membership_`. This prefix has been stripped in the table listing for readibility.

member

Column	Type	Size
Member_id	int	9
Member_type_id	int	9
Prefix	varchar	10
Fname	varchar	25
Mname	varchar	25
Lname	varchar	25
Suffix	varchar	10

Column	Type	Size
Gender	char	1
Dob	date	--
Nickname	varchar	25
Relationship	varchar	25
Position_role	varchar	25
Spouse_significant_other	varchar	25
Address1	varchar	40
Address2	varchar	40
City	varchar	40
State	char	2
Zip	varchar	9
Country	varchar	25
Home_phone	varchar	20
Mobile	varchar	20
Pager	varchar	20
Im_address	varchar	25
Email1	varchar	25
Email2	varchar	25
Organization_name	varchar	25
Job_title	varchar	25
Date_joined	date	--
Payment_status	varchar	10

types

Column	Type	Size
Member_type_id	int	9
Member_type	varchar	40
Member_dues	decimal	9,0

payment_types

Column	Type	Size
Payment_method_id	int	9
Payment_method	varchar	25

payments

Column	Type	Size
Payment_id	int	9
Member_id	int	9
Payment_method_id	int	9
Payment_date	date	--
Payment_amount	decimal	9,0

Movie Collection schema

All table names in this template begin with the string `Movie_collection_`. This prefix has been stripped in the table listing for readibility.

actor

Column	Type	Size
Actor_id	int	9
First_name	varchar	25
Middle_name	varchar	25
Last_name	varchar	25

movie

Column	Type	Size
Program_id	int	9
Program_title	varchar	40
Program_type_id	int	9
Recording_length	int	9
Recording_date	date	--
Director	varchar	40

Column	Type	Size
Producer	varchar	40
Release_year	varchar	4
Rating	varchar	4
Subject	varchar	255
Genre	varchar	40
Review	varchar	255
Notes	varchar	255

movie_actor_join

Column	Type	Size
Program_actor_id	int	9
Program_id	int	9
Actor_id	int	9

program_type

Column	Type	Size
Program_type_id	int	9
Program_type_name	varchar	40

Music Collection schema

All table names in this template begin with the string `Music_collection_`. This prefix has been stripped in the table listing for readibility.

music_category

Column	Type	Size
Music_category_id	int	9
Music_category_name	varchar	40

recording

Column	Type	Size
Recording_id	int	9
Recording_title	varchar	40
Recording_artist_id	int	9
Music_category_id	int	9
Recording_label	varchar	40
Release_year	varchar	4
Format	varchar	25
Number_of_tracks	int	3
Purchase_date	date	--
Purchase_price	decimal	6,0
Notes	varchar	255

recording_artist

Column	Type	Size
Recording_artist_id	int	9
Recording_artist_name	varchar	40
Date_of_birth	date	--
Dod	date	--
Birth_place	varchar	40
Notes	varchar	255

Recipes schema

All table names in this template begin with the string `Recipes_`. This prefix has been stripped in the table listing for readibility.

food_category

Column	Type	Size
Food_category_id	int	9
Food_category	varchar	40

ingredients

Column	Type	Size
Ingredient_id	int	9
Ingredient	varchar	40

recipes

Column	Type	Size
Recipe_id	int	9
Recipe_title	varchar	40
Recipe_description	varchar	255
Source	varchar	40
Which_meal	varchar	25
Food_category_id	int	9
Vegetarian	char	1
Serve_size	varchar	25
Prepare_time	int	3
Cook_time	int	3
Instructions	varchar	255
Notes	varchar	255

recipe_ingredients

Column	Type	Size
Recipe_ingredient_id	int	9
Recipe_id	int	9
Ingredient_id	int	9
Quantity	varchar	25
Unit	varchar	25
Notes	varchar	255

Wine schema

All table names in this template begin with the string `Wine_collection_`. This prefix has been stripped in the table listing for readibility.

wine_consume

Column	Type	Size
Wineconsume_id	int	9
Winelist_id	int	9
Consume_location	varchar	40
Quantity	decimal	4,0
Notes	varchar	255

wine_list

Column	Type	Size
Winelist_id	int	9
Wine_name	varchar	50
Vineyard	varchar	40
Vintage	varchar	40
Winetype_id	int	9
Color	varchar	25
Smell	varchar	25
Finish	varchar	25
Overall_taste	varchar	25
Country_of_origin	varchar	40
Region	varchar	40
Serve_instructions	varchar	255
Percent_alchohol	decimal	5,2
Bottle_market_value	decimal	6,0
Bottle_size	varchar	25
Notes	varchar	255

wine_purchase

Column	Type	Size
Winepurchase_id	int	9
Winelist_id	int	9

Column	Type	Size
Purchase_date	date	--
Purchase_location	varchar	40
Quantity	decimal	4,0
Purchase_price	decimal	6,0
Notes	varchar	255

wine_type

Column	Type	Size
Winetype_id	int	9
Winetype	varchar	40

Real Estate schema

All table names in this template begin with the string `Property_listing`. This prefix has been stripped in the table listing for readibility.

agency

Column	Type	Size
Agency_id	int	9
Agency_name	varchar	40
Address1	varchar	25
Address2	varchar	25
City	varchar	25
State	char	2
Zip	varchar	9
Phone	varchar	10
Website	varchar	40

agent

Column	Type	Size
Agent_id	int	9
Agency_id	int	9

Column	Type	Size
First_name	varchar	25
Last_name	varchar	25

property_listing

Column	Type	Size
Listing_id	int	9
Property_title	varchar	75
Agent_id	int	9
Property_type_id	int	9
Property_description	varchar	255
List_price	decimal	10,0
Offer_date	date	--
Sold_date	date	--
Sale_price	decimal	10,0
Property_address1	varchar	25
Property_address2	varchar	25
Property_city	varchar	25
Property_state	char	2
Property_zip	varchar	9
Pref_sqft	decimal	4,0
Pref_floors	decimal	3,0
Pref_bedrooms	decimal	3,0
Pref_baths	decimal	3,0
Pref_livingroom	char	1
Pref_newkitch	char	1
Pref_pets	char	1
Pref_den	char	1
Pref_finishbase	char	1
Pref_garage	char	1
Pref_washdry	char	1
Pref_dish	char	1

Column	Type	Size
Pref_centralair	char	1
Pref_fireplace	char	1
Pref_pool	char	1
Pref_yard	char	1
Great_rom	char	1
Deck_patio	char	1
Attic	char	1
Water_view	char	1
Mountain_view	char	1
Water_access	char	1
Construction_type	varchar	50
No_of_acres	varchar	50

Employee schema

All table names in this template begin with the string `Employee_`. This prefix has been stripped in the table listing for readibility.

departments

Column	Type	Size
Department_id	int	9
Department_name	varchar	25
Manager_id	int	9
Location_id	int	9

employees

Column	Type	Size
Employee_id	int	9
Prefix	varchar	10
First_name	varchar	25
Middle_name	varchar	25
Last_name	varchar	25

Column	Type	Size
Suffix	varchar	10
Social_security_number	varchar	9
Date_of_birth	date	--
Address1	varchar	25
Address2	varchar	25
City	varchar	25
State	char	2
Zip	varchar	9
Country	varchar	25
Home_phone	varchar	20
Office_phone	varchar	20
Mobile_phone	varchar	20
Pager	varchar	20
Email1	varchar	25
Email2	varchar	25
Status	varchar	25
Hire_date	date	--
Job_id	int	9
Department_id	int	9

job_history

Column	Type	Size
Job_history_id	int	9
Employee_id	int	9
Start_date	date	--
End_date	date	--
Job_id	int	9
Department_id	int	9
Salary	decimal	8,0
Commission	decimal	5,2
Current_position	char	1

jobs

Column	Type	Size
Job_id	int	9
Job_title	varchar	25
Minimum_salary	decimal	8,0
Maximum_salary	decimal	8,0
Is_manager	char	1

locations

Column	Type	Size
Location_id	int	9
Location_name	varchar	25
Address1	varchar	25
Address2	varchar	25
Address3	varchar	25
City	varchar	25
State	varchar	2
Country	varchar	25
Zip	varchar	9
Phone	varchar	20
Fax_number	varchar	20
Website	varchar	25

Inventory schema

All table names in this template begin with the string `Inventory_`. This prefix has been stripped in the table listing for readibility.

categories

Column	Type	Size
Cat_id	int	9
Cat_name	varchar	100

employee

Column	Type	Size
Emp_id	int	9
Fname	varchar	30
Lname	varchar	30

products

Column	Type	Size
Prd_id	int	9
Prd_name	varchar	100
Prd_desc	varchar	255
Cat_id	int	9
Serial_no	varchar	25
Unit_price	float	6,2
Reorder_level	int	6
Discontinued	char	1
Lead_time_number	int	3
Color	varchar	50
Size	varchar	50
Manufacturer	varchar	100
Product_number	varchar	20
Market_type	varchar	50
In_stock	char	1

purchase_orders

Column	Type	Size
Po_id	int	9
Po_number	varchar	100
Po_desc	varchar	255
Sup_id	int	9
Emp_id	int	9

Column	Type	Size
Order_dt	date	--
Required_dt	date	--
Promised_dt	date	--
Ship_dt	date	--
shipMethod_id	int	9
Freight_charges	float	6,2

shipping_methods

Column	Type	Size
shipMethod_id	int	9
shipMethod_name	varchar	100

suppliers

Column	Type	Size
Sup_id	int	9
Sup_name	varchar	100
Contact_name	varchar	100
Contact_title	varchar	100
Address1	varchar	40
Address2	varchar	40
Zip	varchar	9
City	varchar	40
State	char	2
Country	varchar	25
Phone	varchar	20
Notes	varchar	255

transactions

Column	Type	Size
Trans_id	int	9

Column	Type	Size
Trans_dt	date	--
Prd_id	int	9
Trans_desc	varchar	255
Unit_price	float	6,2
Units_ordered	int	6
Units_received	int	6
Units_sold	int	6
Units_shrinkage	int	6
Po_id	int	9

Restaurant schema

All table names in this template begin with the string `Resaurant_menu_`. This prefix has been stripped in the table listing for readibility.

food_category

Column	Type	Size
Food_category_id	int	9
Food_category	varchar	40

ingredients

Column	Type	Size
Ingredient_id	int	9
Ingredient	varchar	40

meal

Column	Type	Size
Meal_id	int	9
Meal_title	varchar	40
Meal_description	varchar	255
Food_category_id	varchar	25
Meal_type_id	int	9

Column	Type	Size
Vegetarian	char	1
Dairy	char	1
Prepare_time	int	3
Cook_time	int	3
Instructions	varchar	255
Price	decimal	6,0
Notes	varchar	255

meal_ingredients

Column	Type	Size
Meal_ingredient_id	int	9
Meal_id	int	9
Ingredient_id	int	9
Quantity	varchar	25
Unit	varchar	25
Notes	varchar	255

meal_type

Column	Type	Size
Meal_type_id	int	9
Meal_type	varchar	40

season

Column	Type	Size
Season_id	int	9
Season_name	varchar	40

seasonal_meal_menu

Column	Type	Size
Seasonal_meal_id	int	9

Column	Type	Size
Season_id	int	9
Meal_id	int	9
Seasonal_meal_name	varchar	40