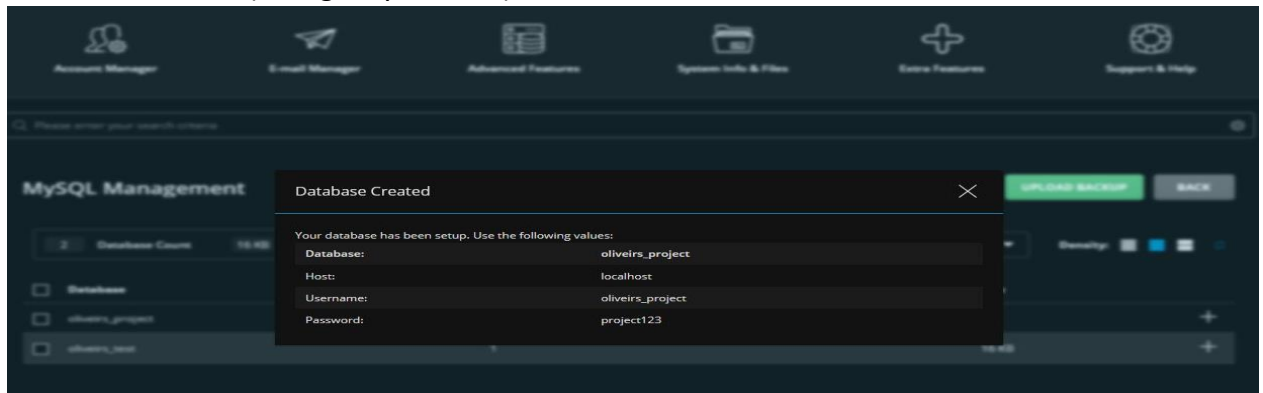


User Guide

How to navigate DirectAdmin and phpMyAdmin

Creating a Database

1. Log into the DirectAdmin dashboard using your UWin credentials at <https://myweb.cs.uwindsor.ca>
2. Under "Account Manager" click on "MySQL Management".
3. To create a new database, click "Create new Database".
4. The creation menu will require you to input a "Database Name", "Database User", and "Database Password". By default, the "Database User" will be the same as the "Database Name" (change if you want).



Creating a Table for a Database

1. To make changes and create tables for an existing database in your DirectAdmin account, go to "Extra Features" and click on "phpMyAdmin". You can also navigate to phpMyAdmin through "Account Manager", click on "MySQL Management", and click on the phpMyAdmin icon. Finally, you can also access it through the link with your UWin credentials. <https://myweb.cs.uwindsor.ca/phpMyAdmin/index.php>
2. On the left-hand side of the screen, you will see a list of your created databases. Click on a created database to modify it.
3. When no tables are available, a menu will request that you input a table "Name" and "Number of Columns". Click the "Go" button on the right to continue.

4. Input the values of the columns of the table and click the “Save” button to finish.

Table name: Add 1 column(s)

Name	Type	Length/Values	Default	Collation	Attributes	Null	Index	A.I	Comments	Virtuality	Move column
ID	INT	8	None			<input type="checkbox"/>	PRIMARY	PRIMARY			
Name	VARCHAR	15	NULL			<input checked="" type="checkbox"/>	---				
Gender	CHAR	3	NULL			<input checked="" type="checkbox"/>	---				
Date_Created	TIMESTAMP		CURRENT_TIMESTAMP			<input checked="" type="checkbox"/>	---				

Table comments:

Collation:

Storage Engine:

PARTITION definition:

Partition by:

Partitions:

5. Alternatively, if you can write SQL statements to be executed under the “SQL” tab. You may also import SQL files under “Import” and clicking “Browse” or drag and drop the file.
6. If you are inserting dates through SQL statements it must be in MySql format “YYYY-MM-DD” eg. 1999-1-23 or 2021-12-21 (avoid two-digit years as it is ambiguous)

Accessing Domain Files

1. Within the DirectAdmin dashboard click “System Info & Files” and then “File Manager”
2. By default, you will have one domain available to you under the URL *userid.myweb.cs.uwindsor.ca*. Replace *userid* with your UWin ID.
3. Within “/public_html” is the files for the last domain created. This will access the last created domain. For specific domains go to /domains/(your domain)/public_html/
4. The default file for the domain is “index.html” which can be renamed with the extensions php and shtml

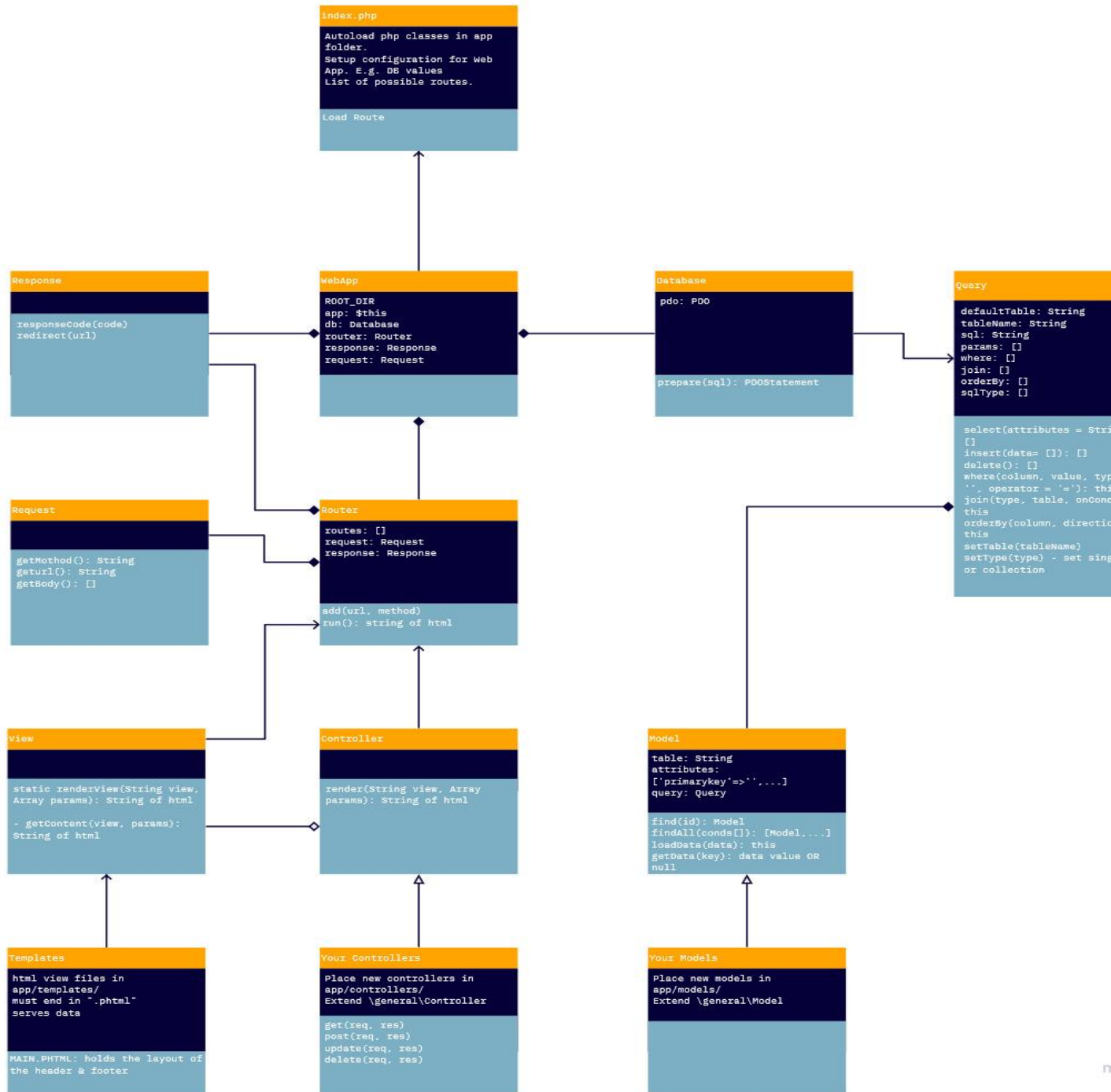
File Transferring

To upload files and folders to your site quickly, recommend using an SFTP client such as [Bitwise SSH](#) or [FileZila](#).

1. After opening Bitwise SSH or FileZila, set your credentials as:
 - ? Host: *userid.myweb.cs.uwindsor.ca* (replace userid with your UWIN ID)
 - ? Port: 22
 - ? Username: your UWIN ID
 - ? For Bitwise set Initial method to password
2. Login, accept, and save any necessary popups.
3. Open a new SFTP window
4. Transfer your files to /domains/(your domain)/public_html
5. Move your 400-500.html files into .../app/templates/ folder

Your Website

1. Make sure your file structure has your app folder, index.php, .env, and .htaccess at the same level
2. In .env is where your database information for connect resides. Add your DB_HOST, DB_USER, DB_NAME, and DB_PASSWORD that matches the database credentials.
3. In index.php is where the root of your site beings. Under the comment *Routes List* add the routes to your site.
4. Routes are added by calling `$app->router->add()`; It takes a URL path and a method. The method is a two-element array with the 0 index being the Controller or template file to use and 1 index being the controller method to use (get, post, update, or delete)
5. When making a new Controller, extend the `\general\Controller` class and create a method corresponding to the action to want to use. At the end of the method call `$this->render()` which takes the template name (not extension) and parameters.
6. A template is any html or phtml file added to `/app/templates/`. By default, there is main.phtml and 400-500 files. Main.phtml is the layout file for your header and footer. The parameters you passed into the render method become the variables available in the view.
7. To access the database, it is best to create a model the describes an entity in the database. Extend the `\general\Model` whereby you can have access to the Query object. The new model should contain a list of attributes related to the database and a primary key to use.
8. For instance if you want to get a single Employee you can create an Employee object and use `$employee = Employee::find(id);` with the employee id/ssn.
9. A model can find, findAll, load data to it, and save.
10. Using the `$this->query` Object you can create more complex methods. Query object can select, insert, update, and delete. Constructing a statement can be done by connecting methods together. An example execution for SQL statement `SELECT * FROM table WHERE attribute = value;`
`$this->query->setType('collection');`
`$data = $this->query->where(attribute, value)->select('*');`
11. You can opt to using `$this->query->raw($sql, $params)`, to pass a PDO style SQL statement.



SQL Developer Setup

Local Download – Go to <https://www.oracle.com/tools/downloads/sqldev-downloads.html> and download the appropriate file for your PC. Sign in (Or create a new account) to complete the download. After download is complete, extract folder to a location on your PC. Open the folder and run “sqldeveloper”

NoMachine - Login to noMachine. Right click anywhere on the desktop screen. Click "Open in Terminal". Run command `"sqldeveloper"`. When prompted with providing the full path to the JDK type use `"/usr/lib/jvm/oracle-java8-jdk-amd64"`.

Troubleshooting

If you have trouble logging into DirectAdmin, try resetting your password using <http://cs.uwindsor.ca/password> and then clearing your cache and cookies.

If you are unable to view your files, make sure that your index.php file is directly in the /public_html directory.

If your form is not submitting properly then check the path to your controller is correct in template.php. Check that your table and tuple values in controller.php are equivalent to the database created in phpMyAdmin. Make sure that the credentials in .env match with your database created in DirectAdmin. Use the error message provided after submitting to your database to determine further errors.

NoMachine installation help <https://help.cs.uwindsor.ca/mediawiki/index.php/NoMachine>