

AGERA ENERGY

Developing Web Applications with PHP, MySQL, JavaScript and jQuery

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WAMP and LAMP

- WAMP Windows, Apache, MySQL, PHP
- LAMP Linux, Apache, MySQL, PHP

Once set up there is not much difference when doing the development.

Generally the operating system and web server has little to do with what your coding.

PHP, MySQL, JavaScript, jQuery

- PHP The most popular server side language for websites. PHP 7 is now exponentially faster.
- SQL Standard language for working with information in a database
- MySQL Ubiquitous open source database
- JavaScript Most widely used client-side programming language for the web (not Java)
- jQuery a JavaScript library that help you to do allot more with less code

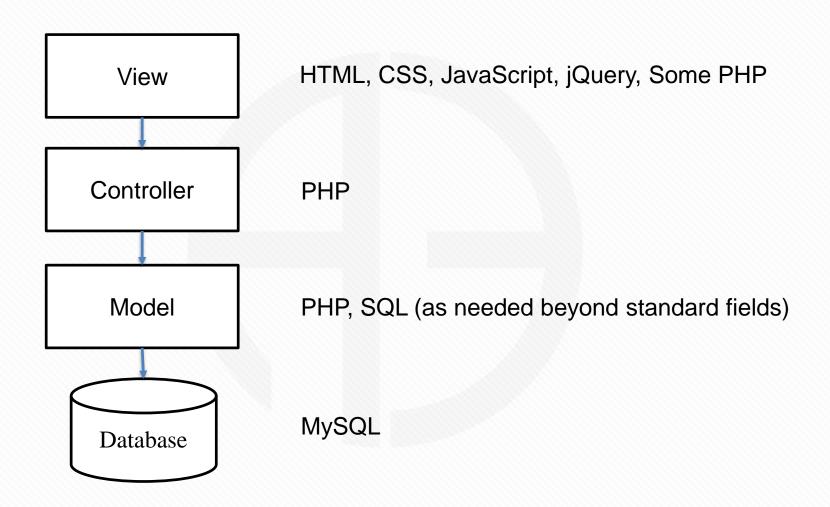
Zend PHP Framework

- Zend essentially a code library that helps to organize PHP applications and code less.
- Provides a framework to modularize code making it more object oriented.
- Has many features you wont have to code yourself like user authentication and unit testing
- Organizes applications into modules: models, views and controllers

MVC Design Pattern

- MVC model, view, controller is a software design pattern for coding websites. Its simpler than it sounds.
- Model PHP class that represents an object and one table in the database. For example 'Customer' has name, address, phone, etc.
- View The front end script which includes HTML, CSS, JavaScript and jQuery. This is the client side in the browser.
- Controller The server side logic that connects the View and the Model

MVC Design Pattern



Demo

- Aggregation Application uploads thousands of new energy customers and loads them into database tables.
- Also allows the user to add and update meta information about the aggregation and members through the UI (view).
- Uses a controller and system models to execute contracts.
- Previously customers and contracts were entered and executed one at a time.

MVC Design Pattern

- WAMP http://www.wampserver.com/en/
- PHP http://php.net/
- Zend https://framework.zend.com/
- MySQL https://www.mysql.com
- jQuery https://jquery.com/
- JavaScript https://developer.mozilla.org
- Agera Energy http://www.ageraenergy.com/