



THE ACTION-MODEL-VIEW A FRAMEWORK FOR RAPID DEVELOPMENT

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THE PRESENTATION

The presentation is intended to show a framework for the rapid development of data-centric web sites. Data access is done using the Switchback Web Service for Interchangeable Data Access.

All presented code is included.

The web server is Apache 2.4.18 with PHP 5.6.21, cURL 7.43.0, MySQL 5.0.11, mssql with FreeTDS 1.00



THE FRAMEWORK BASE

All sites inherit from classes in amv-base

Directory layout:

- amv-base

 - _lib

 - actions

 - layout

 - models

 - views



INITIATING A FRAMEWORK SESSION

The URL for initiating an AMV Framework site session can be a domain name or a directory off the web server root directory. If index.php is specified in the web server as a DirectoryIndex, then it is not needed as part of the URL.

<http://localhost/amv-family> and <http://family.switchback.net> will both resolve to the same website, as long as family.switchback.net is setup as a virtual host in the web server and that URL points to the localhost IP address.

The index.php script begins the session and establishes the directory locations for site and utility scripts used by the site.



THE INDEX

Reference the code



THE PAGE ROUTING

All site navigation is thru the navigator script *page.php*.

This page routes all requests thru the controller.php script which loads the page to be run, along with any supporting scripts.



THE CONTROLLER

The controller.php scripts loads the page to be run, the page specific model, validates the namespace and frames the page in a common layout.

If a site requires login authentication, the controller ensures that a user has valid credentials to use the site.



THE PAGE LAYOUT

The page layout script is a site wrapper for every page that frames each page with a common look, including any menuing.



ACTIONS

Actions determine how each page on the site functions, uses the models for data access, and executes the view.

All actions inherit from the base action.



MODELS

Models are used to handle all data access.

All models inherit from the base model.



VIEWS

Views handle all screen I-O for the actions.



TO BE CONTINUED

To be continued ...

