Enterprise Web Application Development (CS - 383) Lab 5
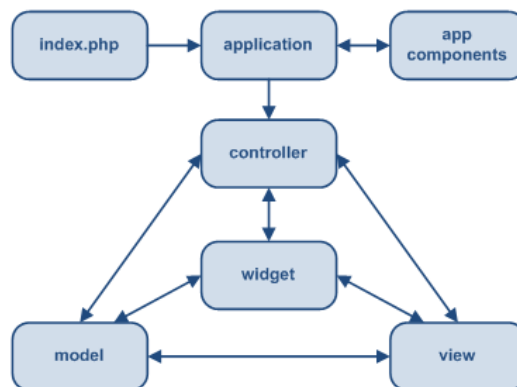
MVC based web applications using PHP Framework.

The model-view-controller (MVC) design pattern specifies that an application consist of a data model, presentation information, and control information. The pattern requires that each of these be separated into different objects.

The model (for example, the data information) contains only the pure application data; it contains no logic describing how to present the data to a user.

The view (for example, the presentation information) presents the model's data to the user. The view knows how to access the model's data, but it does not know what this data means or what the user can do to manipulate it.

Finally, the controller (for example, the control information) exists between the view and the model. It listens to events triggered by the view (or another external source) and executes the appropriate reaction to these events. In most cases, the reaction is to call a method on the model. Since the view and the model are connected through a notification mechanism, the result of this action is then automatically reflected in the view.

Exercise:

1. Go to Laravel's website: https://laravel.com
2. Download/setup the latest version of Laravel Framework.
3. Create a simple "Hello World" web application using Laravel.
4. Write a brief (1 page maximum) report that describes Laravel code files structure.