Introduction to Spring MVC

Introduction to Spring MVC

- Spring framework provides its own module called as Spring MVC.

- Used to build a web based application.

- Provides a separate request process workflow.

Spring MVC Components

Spring MVC Components

- Spring MVC mainly consists of 5 major components:
  - Front Controller
  - Controller
  - Model
  - View
  - View Resolver

Spring MVC Components

- Front Controller
  - Every incoming request first hits this controller and then gets delegated further.
  - `DispatcherServlet` acts as a front controller in spring MVC.

Spring MVC Components

- Controller
  - It is a component responsible for processing the request.
  - Acts as a gateway to the model.

Spring MVC Components

- Controller
  - Returns a view name upon completion of the request processing.
  - It is typically implemented by using a simple Java Class.

Spring MVC Components

- Model
  - An object that is used to store request specific data.
  - An object that is responsible for handling the business logic.

Spring MVC Components

- View
  - A component that is actually used to render the result page back to the client.
  - Uses a model object to render domain specific data.

Spring MVC Components

- ViewResolver
  - A component that receives request from front controller to find the appropriate view.
  - Selects the view based upon configuration settings.