Spring Web MVC module is developed based on 2 design patterns

- a) MVC Design Pattern
- b) Front Controller Design Pattern

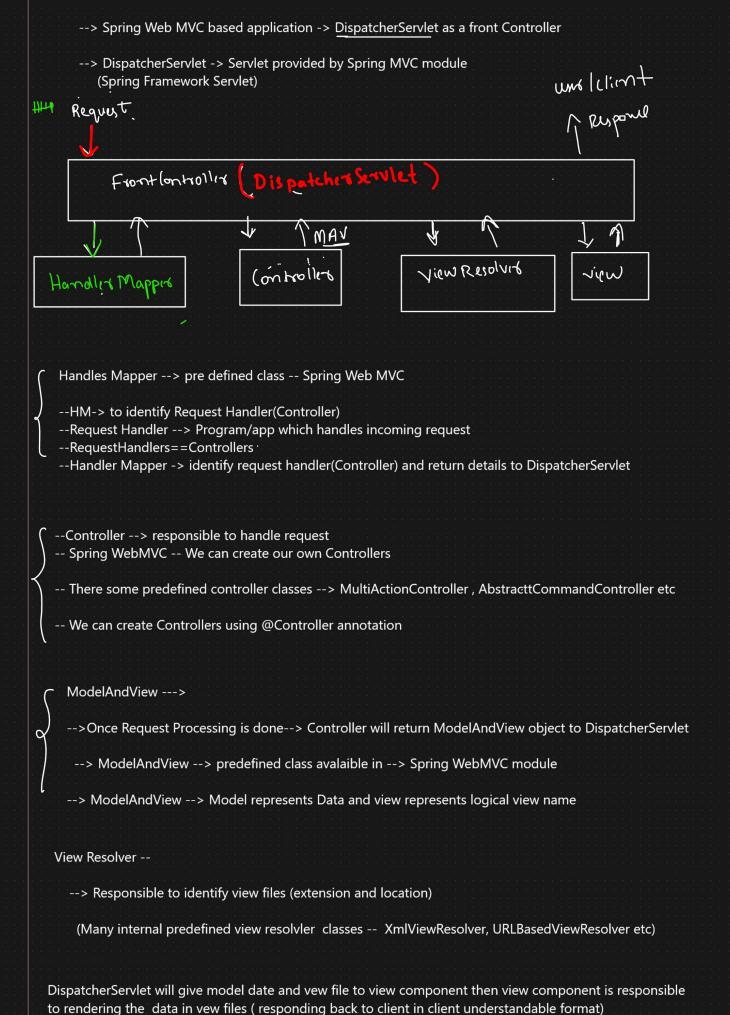
## Spring MVC Components:

- 1) Front Controller (Dispatcher Servlet)
- 2) Handler Mapper
- 3)Controller
- 4) ModelAndView
- 5) ViewResolver
- 6)View
- 1) Front Controller is responsible to perform pre processing and post processing of incoming request of an app

(pre processing) ex: capturing form data taking request

(Post processing)

ex: sending response back to client --> client understandable format



Spring Web MVC Summary
Spring Web IVIVC Summary
DispatcherServlet acts as Front Controller
HandlerMapper would identify Request Handler
Conroller will process the request and return the model data and logical view name  Controller also refered as Request handler
View Resolver identifies view file (location and Extention) Prefix and Suffix
View Resolver Identifies view the (location and Extention) Frenk and Sunix
View Component will render model data on the vew file
DispatcherServlet will send response to client in client understandable format
Developing Spring Web MVC application:
springboot-starter-web dependency is used to build web-app
@Controller annotation is sued to represent our class as Spring Controller or Request Handler
@RequestMapping annotations are used to bind Controller method to URL pattern
Controller method returning ModelAndView Object
for ModelAndView objecta)data in form of key and value b)logical view name ( no extension)
Model data can be accessed in view file using key
@GetMapping is used to bind our data to request (HTTP GET Request)
Model is an interface to store data in form of key and value pair Model is used to send data from Controller to View(UI)