**Day 10: 9 – Aug 2024 – Web Application**

*Improve controller layer*

*Controller generally is Servlet.*

*Struts MVC, JSF and spring MVC base upon Core Servlet.*

*Limitation of servlet.*

*Servlet life cycle ie init, service and destroy etc.*

*Get, post, put and delete http protocol specific methods.*

*public class MyServlet extends HttpServlet {*

*public void doGet(HttpServlet req, HttpServletResponse res) {*

*}*

*public void doPost(HttpServlet req, HttpServletResponse res) {*

*}*

*}*

*Limitation*

*In on servlet class we can’t write more than one doGet method as well as doPost m ethod.*

Some time if we want to want request and response object. But still that web container provide use both object.

doGet and doPost is not meaningful method.

all methods part of HttpServlet by default inherits.

In Spring MVC we need to create normal class and on that class write @Controller annotation.

@Controller

class MyController {

@RequestMapping(value=”hello”,method=RequestMethod.GET)

public ModelAndView sayHello() {

// do some logic

ModelAndView mav = new ModelAndView();

mav.addViewName(“display1.jsp”);

return mav;

}

@RequestMapping(value=”hi”,method=RequestMethod.GET)

public ModelAndView sayHi() {

// do some logic

ModelAndView mav = new ModelAndView();

mav.addViewName(“display2.jsp”);

return mav;

}

}

In spring mvc inside web.xml file we need to configure front controller class provided by spring mvc module. Spring MVC provided DispatcherServlet as a front controller.