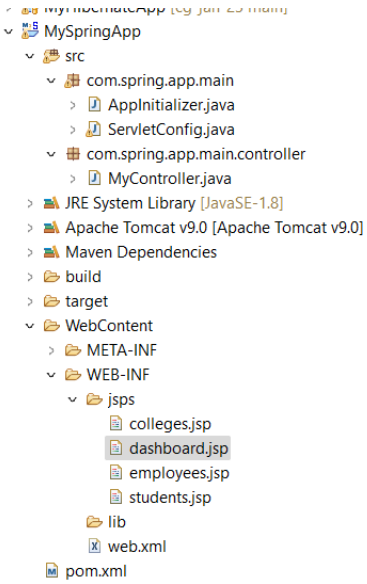
Spring MVC App Setup

Project Structure:



Step 1:

- Create Dynamic Web App and Convert it into Maven Project
- Add Following dependencies in POM.xml file
    - Spring core
    - Spring beans
    - Spring context
    - Spring web
    - Spring webmvc
- Create AppInitializer file and convert it to DispatcherServlet.

```
public class AppInitializer extends AbstractAnnotationConfigDispatcherServletInitializer{

    @Override
    protected Class<?>[] getRootConfigClasses() {

        return null;
    }

    @Override
    protected Class<?>[] getServletConfigClasses() {
         Class<?>[] classes = new Class[]{ServletConfig.class};
        return classes;
    }

    @Override
    protected String[] getServletMappings() {
        String[] mappings = new String[] {"/"};
        return mappings;
    }

}
```

- Create a ServletConfig file and add annotations

```
@Configuration
@EnableWebMvc
@ComponentScan(basePackages = {"com.spring.app.main.controller"})
public class ServletConfig implements WebMvcConfigurer{
```

- Create a Controller Class and add Request Mappings to it.

```
@Controller
public class MyController {

    @RequestMapping("/")
    public String showDashboard() {
        return "WEB-INF/jsps/dashboard.jsp";
    }

    @RequestMapping("/employees")
    public String showEmployees() {
        return "WEB-INF/jsps/employees.jsp";
    }
```

- Create jsps in WEB-INF/jsps/ folder in Web Content

```
<div>
    <a href="${pageContext.request.contextPath}/employees">Employees</a> <br />
    <a href="${pageContext.request.contextPath}/colleges">Colleges</a> <br />
    <a href="${pageContext.request.contextPath}/students">Students</a> <br />
</div>
```

Case Study/Assignment

Case Study: Assignment

Spring MVC Project Setup

My Shopping Portal

Categories | Products | My Cart | Contact

Mappings

/categories	categories.jsp
/products	products.jsp
/cart	cart.jsp
/contact	contact.jsp