



CS544 EA

Enterprise Apps:

Spring MVC: Basic Example

WebApplicationInitializer

Instead of web.xml

```
public class MyWebAppInitializer implements WebApplicationInitializer {

    @Override
    public void onStartup(ServletContext container) throws ServletException {
        // Create the 'root' Spring application context
        AnnotationConfigWebApplicationContext rootContext =
            new AnnotationConfigWebApplicationContext();
        rootContext.register(WebConfig.class);
        container.addListener(new ContextLoaderListener(rootContext));

        // Create the dispatcher servlet
        ServletRegistration.Dynamic appServlet = container.addServlet("mvc",
            new DispatcherServlet(new GenericWebApplicationContext()));
        appServlet.setLoadOnStartup(1);
        appServlet.addMapping("/");
    }
}
```

WebConfig.java

```
@Configuration
@EnableWebMvc
@ComponentScan("cs544")
public class WebConfig implements WebMvcConfigurer{
    @Bean
    public ViewResolver viewResolver() {
        InternalResourceViewResolver bean = new InternalResourceViewResolver();

        bean.setViewClass(JstlView.class);
        bean.setPrefix("/WEB-INF/view/");
        bean.setSuffix(".jsp");

        return bean;
    }
}
```

HelloWorld Controller

```
@Controller
public class HelloWorld {
    @GetMapping("/hello/{name}")
    public String Hello(@PathVariable String name, Model model) {
        model.addAttribute("name", name);
        return "helloView";
    }
}
```

helloView.jsp

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Hello World</title>
</head>
<body>
    <h1>Hello ${name}</h1>
</body>
</html>
```

Result

