**Spring Initilizr**

**Ref-** [**https://www.harinathk.com/spring-boot/initializing-a-spring-boot-project-with-spring-initializr/**](https://www.harinathk.com/spring-boot/initializing-a-spring-boot-project-with-spring-initializr/)

1. The Spring Initializr is ultimately a web application that can generate a Spring Boot project structure for you.
2. It doesn’t generate any application code, but it will give you a basic project structure and either a Maven or a Gradle build specification to build your code with.
3. **Using Spring Initializr Web Interface**

* point your web browser to [http://start.spring.io](http://start.spring.io/)
* In Project Metadata field,specify project name, the base package name, whether you want to build the project with Maven

For example, if you’re building a web application, you’ll want to select the “Web” checkbox. Likewise, if your application needs security, then you’ll want to select the “Security” checkbox.

**Dependency to add in pom.xml:**

* **spring-boot-starter** – this lets spring boot autoconfigure your application
* **spring-boot-starter-web** – this dependency tells spring boot that your application is a web application. This add the functionality of @Controller, @RequestMapping, etc.
* **spring-boot-starter-thymeleaf** – web app needs some views like jsp or html. Thymeleaf is a server side template engine where your htmls can be viewed in any browser. Simply to say, instead of traditional jsp with jstl or format tags, we will use thymeleaf.
* **spring-boot-devtools** – this is an optional dependency but this makes your development faster. This dependency automatically restart or hotswap your changes to the running tomcat server, thus removing the need to restart the application whenever there are changes in codes.

<dependencies>

    <dependency>

        <groupId>org.springframework.boot</groupId>

        <artifactId>spring-boot-starter</artifactId>

    </dependency>

    <dependency>

        <groupId>org.springframework.boot</groupId>

        <artifactId>spring-boot-starter-web</artifactId>

    </dependency>

    <dependency>

        <groupId>org.springframework.boot</groupId>

        <artifactId>spring-boot-starter-thymeleaf</artifactId>

    </dependency>

    <dependency>

        <groupId>org.springframework.boot</groupId>

        <artifactId>spring-boot-devtools</artifactId>

    </dependency>

</dependencies>