



DALHOUSIE  
UNIVERSITY

## DEPENDENCIES

Professor: Tushar Sharma

TA: Hamza Jasnak

## Dependencies for MealStop App

Sr. No.	DEPENDENCY NAME	DEPENDENCY XML	REASON FOR USAGE
1	spring-boot-starter-thymeleaf	<pre>&lt;dependency&gt;   &lt;groupId&gt;org.springframework.boot&lt;/groupId&gt;   &lt;artifactId&gt;spring-boot-starter-thymeleaf&lt;/artifactId&gt; &lt;/dependency&gt;</pre>	Provides framework for login and security features.
2	mysql-connector-java	<pre>&lt;dependency&gt;   &lt;groupId&gt;mysql&lt;/groupId&gt;   &lt;artifactId&gt;mysql-connector-java&lt;/artifactId&gt;   &lt;scope&gt;runtime&lt;/scope&gt; &lt;/dependency&gt;</pre>	Provides inbuilt JPA repository with basic sql queries for mysql database.
3	thymeleaf-extras-springsecurity5	<pre>&lt;dependency&gt;   &lt;groupId&gt;org.thymeleaf.extras&lt;/groupId&gt;   &lt;artifactId&gt;thymeleaf-extras-springsecurity5&lt;/artifactId&gt; &lt;/dependency&gt;</pre>	Provides security mechanisms for thymeleaf frontend.
4	thymeleaf	<pre>&lt;dependency&gt;   &lt;groupId&gt;org.thymeleaf&lt;/groupId&gt;   &lt;artifactId&gt; thymeleaf &lt;/artifactId&gt;   &lt;version&gt;3.0.11.RELEASE&lt;/version&gt; &lt;/dependency&gt;</pre>	Provides springboot and frontend thymeleaf.
5	thymeleaf-spring5	<pre>&lt;dependency&gt;   &lt;groupId&gt;org.thymeleaf&lt;/groupId&gt;   &lt;artifactId&gt;thymeleaf-spring5&lt;/artifactId&gt;   &lt;version&gt;3.0.11.RELEASE&lt;/version&gt; &lt;/dependency&gt;</pre>	To use springboot authentication in thymeleaf.
6	spring-boot-starter-data-jpa	<pre>&lt;dependency&gt;   &lt;groupId&gt;org.springframework.boot&lt;/groupId&gt;   &lt;artifactId&gt;spring-boot-starter-data-jpa&lt;/artifactId&gt; &lt;/dependency&gt;</pre>	Starter springboot dependency
7	spring-boot-starter-test	<pre>&lt;dependency&gt;   &lt;groupId&gt;org.springframework.boot&lt;/groupId&gt;   &lt;artifactId&gt;spring-boot-starter-test&lt;/artifactId&gt;   &lt;scope&gt;test&lt;/scope&gt; &lt;/dependency&gt;</pre>	Starter springboot test dependencies
8	spring-security-test	<pre>&lt;dependency&gt;   &lt;groupId&gt;org.springframework.security&lt;/groupId&gt;   &lt;artifactId&gt;spring-security-test&lt;/artifactId&gt;   &lt;scope&gt;test&lt;/scope&gt; &lt;/dependency&gt;</pre>	Dependency to test spring security changes
9	spring-context-support	<pre>&lt;dependency&gt;   &lt;groupId&gt;org.springframework&lt;/groupId&gt;   &lt;artifactId&gt;spring-context-support&lt;/artifactId&gt;   &lt;version&gt;5.2.6.RELEASE&lt;/version&gt; &lt;/dependency&gt;</pre>	Spring context to hold user sessions

10	java-jwt	<pre>&lt;dependency&gt;   &lt;groupId&gt;com.auth0&lt;/groupId&gt;   &lt;artifactId&gt;java-jwt&lt;/artifactId&gt;   &lt;version&gt;3.18.3&lt;/version&gt; &lt;/dependency&gt;</pre>	JWT tokens used for user login
11	lombok	<pre>&lt;dependency&gt;   &lt;groupId&gt;org.projectlombok&lt;/groupId&gt;   &lt;artifactId&gt;lombok&lt;/artifactId&gt;   &lt;version&gt;1.18.22&lt;/version&gt;   &lt;scope&gt;provided&lt;/scope&gt; &lt;/dependency&gt;</pre>	For getter setter and default constructors.
12	junit-jupiter-engine	<pre>&lt;dependency&gt;   &lt;groupId&gt;org.junit.jupiter&lt;/groupId&gt;   &lt;artifactId&gt;junit-jupiter-engine&lt;/artifactId&gt;   &lt;version&gt;5.8.1&lt;/version&gt;   &lt;scope&gt;test&lt;/scope&gt; &lt;/dependency&gt;</pre>	Junit latest api for testing.
13	mockito-core	<pre>&lt;dependency&gt;   &lt;groupId&gt;org.mockito&lt;/groupId&gt;   &lt;artifactId&gt;mockito-core&lt;/artifactId&gt;   &lt;version&gt;2.21.0&lt;/version&gt;   &lt;scope&gt;test&lt;/scope&gt; &lt;/dependency&gt;</pre>	Mock classes during tests
14	mockito-junit-jupiter	<pre>&lt;dependency&gt;   &lt;groupId&gt;org.mockito&lt;/groupId&gt;   &lt;artifactId&gt;mockito-junit-jupiter&lt;/artifactId&gt;   &lt;version&gt;2.23.0&lt;/version&gt;   &lt;scope&gt;test&lt;/scope&gt; &lt;/dependency&gt;</pre>	Mock classes during tests
15	validation-api	<pre>&lt;dependency&gt;   &lt;groupId&gt;javax.validation&lt;/groupId&gt;   &lt;artifactId&gt;validation-api&lt;/artifactId&gt;   &lt;version&gt;2.0.1.Final&lt;/version&gt; &lt;/dependency&gt;</pre>	Provides server side validations
16	spring-boot-starter-mail	<pre>&lt;dependency&gt;   &lt;groupId&gt;org.springframework.boot&lt;/groupId&gt;   &lt;artifactId&gt;spring-boot-starter-mail&lt;/artifactId&gt;   &lt;version&gt;2.5.6&lt;/version&gt; &lt;/dependency&gt;</pre>	To send mails from meal stop application during registration
17	spring-boot-starter-validation	<pre>&lt;dependency&gt;   &lt;groupId&gt;org.springframework.boot&lt;/groupId&gt;   &lt;artifactId&gt;spring-boot-starter-validation&lt;/artifactId&gt; &lt;/dependency&gt;</pre>	Front end validations
18	mockito-inline	<pre>&lt;dependency&gt;   &lt;groupId&gt;org.mockito&lt;/groupId&gt;   &lt;artifactId&gt;mockito-inline&lt;/artifactId&gt;   &lt;version&gt;2.13.0&lt;/version&gt;</pre>	Mock static methods

		<code>&lt;scope&gt;test&lt;/scope&gt;</code> <code>&lt;/dependency&gt;</code>	
19	commons-csv	<code>&lt;dependency&gt;</code> <code>&lt;groupId&gt;org.apache.commons&lt;/groupId&gt;</code> <code>&lt;artifactId&gt;commons-csv&lt;/artifactId&gt;</code> <code>&lt;version&gt;1.8&lt;/version&gt;</code> <code>&lt;/dependency&gt;</code>	Dependency to download CSV files
20	spring-boot-starter-web	<code>&lt;dependency&gt;</code> <code>&lt;groupId&gt;org.springframework.boot&lt;/groupId&gt;</code> <code>&lt;artifactId&gt;spring-boot-starter-web&lt;/artifactId&gt;</code> <code>&lt;/dependency&gt;</code>	Dependency for springboot web backend
21	junit	<code>&lt;dependency&gt;</code> <code>&lt;groupId&gt;junit&lt;/groupId&gt;</code> <code>&lt;artifactId&gt;junit&lt;/artifactId&gt;</code> <code>&lt;scope&gt;test&lt;/scope&gt;</code> <code>&lt;/dependency&gt;</code>	Junit basic dependency for tests
22	spring-boot-starter-thymeleaf	<code>&lt;dependency&gt;</code> <code>&lt;groupId&gt;org.springframework.boot&lt;/groupId&gt;</code> <code>&lt;artifactId&gt;spring-boot-starter-thymeleaf&lt;/artifactId&gt;</code> <code>&lt;/dependency&gt;</code>	Thyme leaf starter changes