Maven Configuration

### Install Maven:

Download the bin.zip file from <https://maven.apache.org/download.cgi>

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Extract the downloaded file to C:\Program Files\Apache\Maven

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Copy path to maven’s bin directory

E.g., C:\Program Files\Apache\Maven\apache-maven-3.9.9\bin

Then use the copied path to add to environment variables:

System Variables -> Path -> Paste copied path

System Variables -> MAVEN\_HOME -> Paste copied path

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Restart System.

### Creating a new Java Project using Maven: Shortcut: Ctrl + Shift + P

Type: ‘Maven’ and select ‘Maven: New Project…’ A screenshot of a computer

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Select maven-quickstart-archetype and then version 1.4

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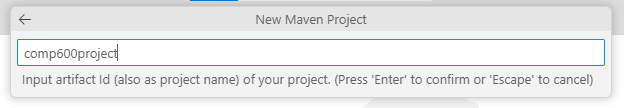
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Then give the groupID in all smalls. I have given ‘sptm25group04' to symbolize ‘Sask Polytech Tech Mgmt Group 04’

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And ArtifactID is the project name

Then it will ask for destination folder to creating the project

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After that It’ll start creating the project.

When it asks for SNAPSHOT, start clicking Enter key till it starts building the project. Wait till message shows as BUILD SUCCESS.

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### Adding Dependencies:

Add the following dependencies in the pom.xml file

<!-- MySQL JDBC Driver -->

<dependency>

<groupId>mysql</groupId>

<artifactId>mysql-connector-java</artifactId>

<version>8.0.26</version> <!-- Latest version -->

</dependency>

<dependency>

<groupId>org.openjfx</groupId>

<artifactId>javafx-controls</artifactId>

<version>17.0.2</version> <!-- Use the latest version -->

</dependency>

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### Install XML extension from Redhat

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### Updating dependencies

After updating the dependencies in the pom.xml file, run *mvn clean install* in the terminal. This will clean the build and install dependencies.

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