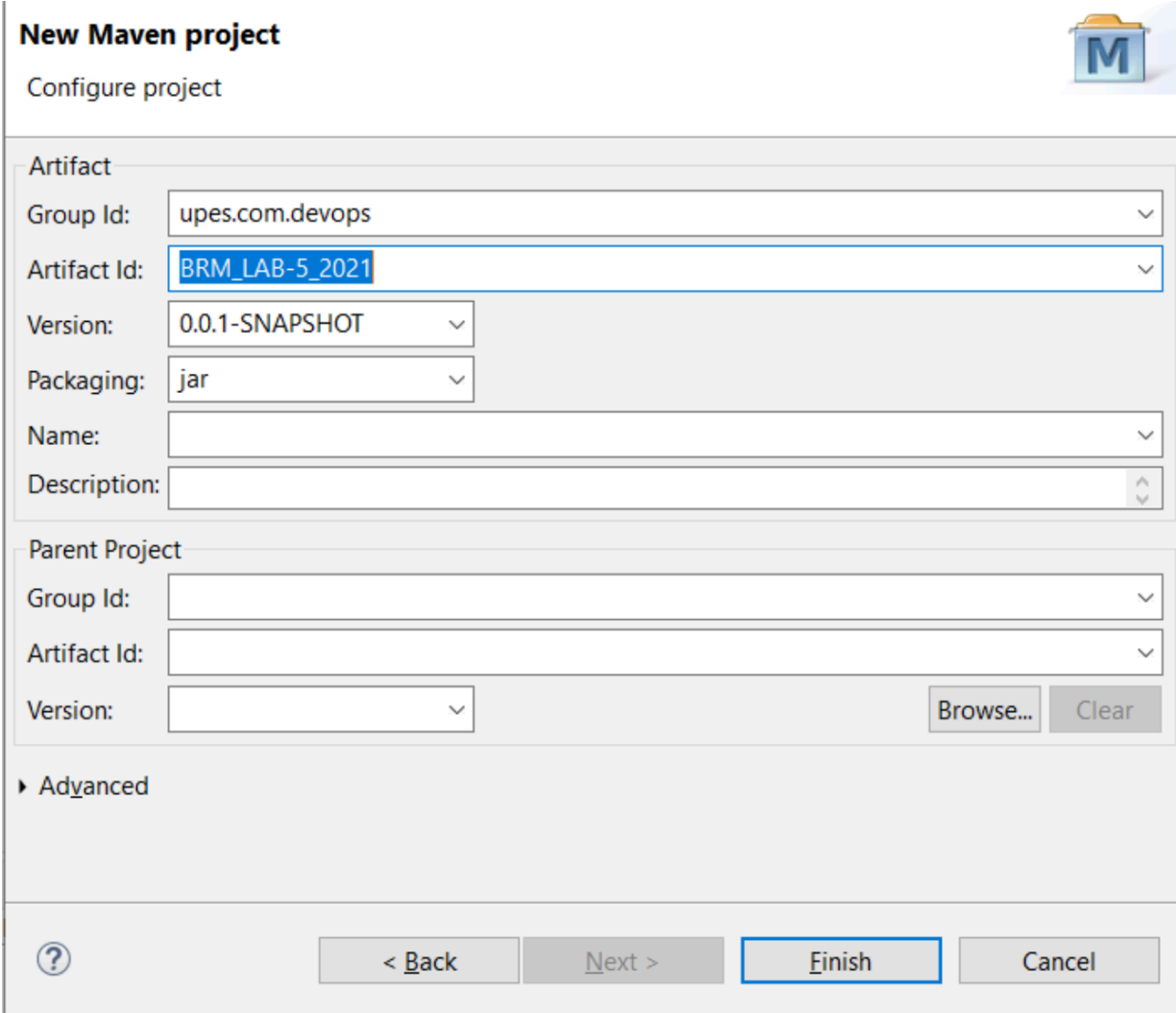


EXPERIMENT 5

Aim: Install and Manage Maven Plugin using Eclipse Install Site Plugin and use “mvn site” command and goal for generating documents for Maven Project using Eclipse.

CREATING A SIMPLE MAVEN PROJECT



The screenshot shows the 'New Maven project' dialog box in Eclipse. The title bar says 'New Maven project' with a small icon of a folder with an 'M'. Below the title bar, it says 'Configure project'. The dialog is divided into several sections:

- Artifact**:
 - Group Id:
 - Artifact Id:
 - Version:
 - Packaging:
 - Name:
 - Description:
- Parent Project**:
 - Group Id:
 - Artifact Id:
 - Version:
 -
- Advanced**: (indicated by a right-pointing triangle icon)

At the bottom, there is a row of buttons: a help icon (question mark), '< Back', 'Next >', 'Finish' (highlighted with a blue border), and 'Cancel'.

CREATE A CLASS WITH FOLLOWING CODE IN MAVEN PROJECT

```
MyClass.java x BRM_LAB_5/pom.xml
1
2 public class MyClass {
3
4     public void f1() {
5
6     }
7
8     public void f2() {
9
10    }
11
12    public static void main(String[] args) {
13        System.out.println("Hello Maven Site");
14    }
15
16 }
17
```

Edit pom.xml with the following code:

```
MyClass.java x BRM_LAB_5/pom.xml x
1 <?xml version="1.0" encoding="UTF-8" ?>
2 <project xmlns="maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
3     xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/maven-v4_0_0.xsd">
4     <modelVersion>4.0.0</modelVersion>
5     <groupId>document</groupId>
6     <artifactId>MvnSite</artifactId>
7     <version>0.0.1-SNAPSHOT</version>
8     <properties>
9         <maven.compiler.source>1.8</maven.compiler.source>
10        <maven.compiler.target>1.8</maven.compiler.target>
11    </properties>
12    <build>
13        <pluginManagement>
14            <plugins>
15                <plugin>
16                    <groupId>org.apache.maven.plugins</groupId>
17                    <artifactId>maven-site-plugin</artifactId>
18                    <version>3.7.1</version>
19                </plugin>
20            </plugins>
21        </pluginManagement>
22    </build>
23 </project>
```

Run Maven Goals:

Clean :

```
<terminated> /Library/Java/JavaVirtualMachines/jdk-13.0.2.jdk/Contents/Home/bin/java (25-Mar-2021, 9:17:10 am)
SLF4J: See http://www.slf4j.org/codes.html#multiple_bindings for an explanation.
SLF4J: Actual binding is of type [org.slf4j.impl.SimpleLoggerFactory]
[INFO] Scanning for projects...
[INFO]
[INFO] -----< document:MvnSite >-----
[INFO] Building MvnSite 0.0.1-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- maven-clean-plugin:2.5:clean (default-clean) @ MvnSite ---
[INFO] Deleting /Users/sarthak/eclipse-workspace/BRM_LAB_5/target
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 0.167 s
[INFO] Finished at: 2021-03-25T09:17:12+05:30
[INFO] -----
```

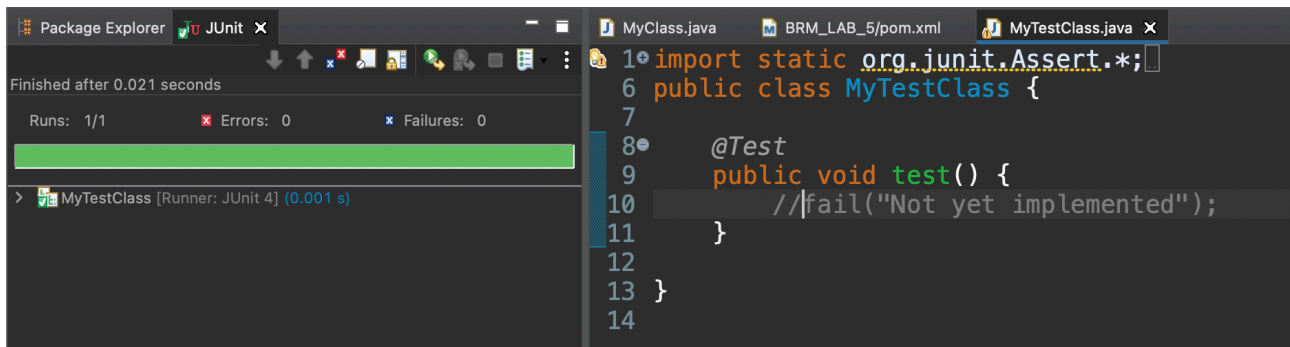
Install :

```
<terminated> /Library/Java/JavaVirtualMachines/jdk-13.0.2.jdk/Contents/Home/bin/java (25-Mar-2021, 9:17:35 am)
[INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ MvnSite ---
[INFO]
[INFO] --- maven-jar-plugin:2.4:jar (default-jar) @ MvnSite ---
[INFO] Building jar: /Users/sarthak/eclipse-workspace/BRM_LAB_5/target/MvnSite-0.0.1-SNAPSHOT.jar
[INFO] META-INF/maven/document/MvnSite/pom.xml already added, skipping
[INFO] META-INF/maven/document/MvnSite/pom.properties already added, skipping
[INFO]
[INFO] --- maven-install-plugin:2.4:install (default-install) @ MvnSite ---
[INFO] Installing /Users/sarthak/eclipse-workspace/BRM_LAB_5/target/MvnSite-0.0.1-SNAPSHOT.jar to /Users/sarthak/.m2/repository/org/apache/maven/document/MvnSite/0.0.1-SNAPSHOT/MvnSite-0.0.1-SNAPSHOT.jar
[INFO] Installing /Users/sarthak/eclipse-workspace/BRM_LAB_5/pom.xml to /Users/sarthak/.m2/repository/org/apache/maven/document/MvnSite/0.0.1-SNAPSHOT/MvnSite-0.0.1-SNAPSHOT.pom
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 1.586 s
[INFO] Finished at: 2021-03-25T09:17:38+05:30
[INFO] -----
```

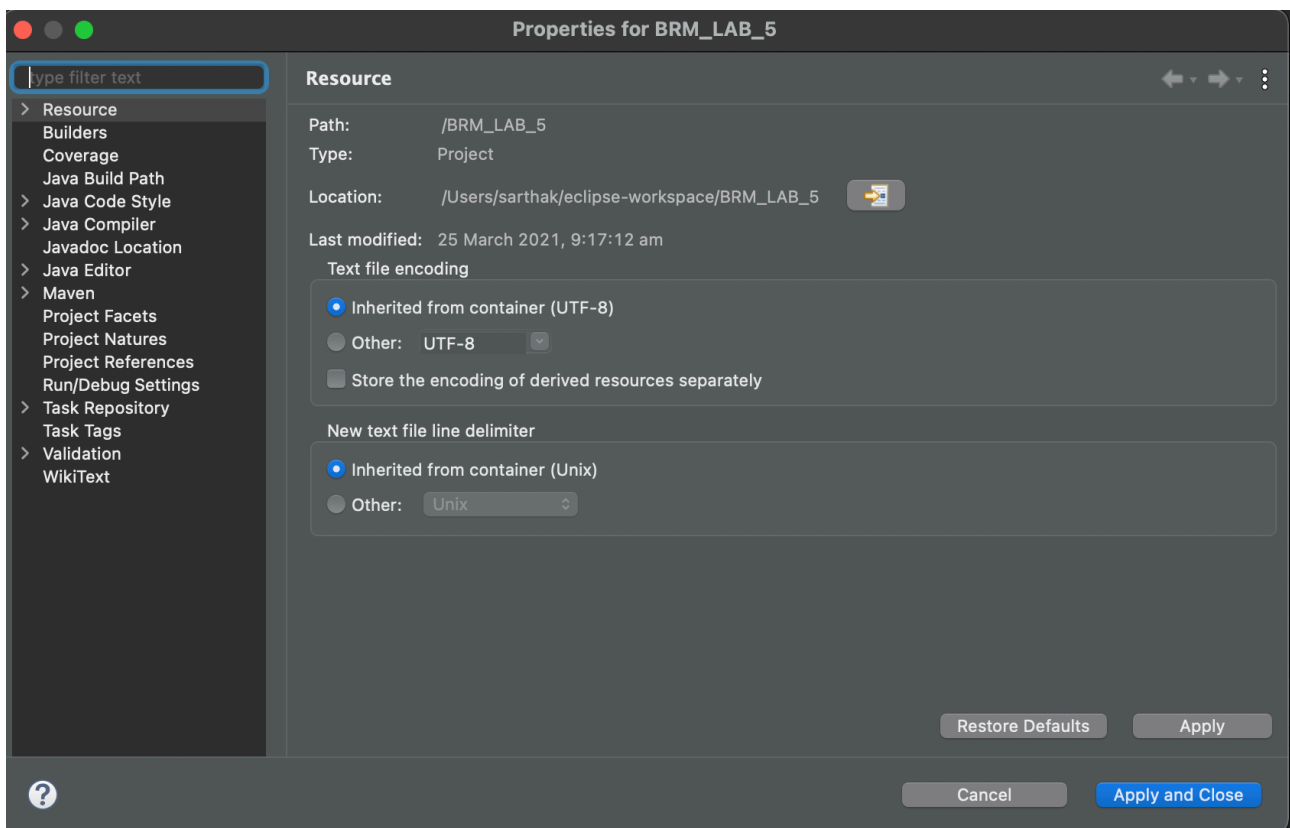
Site :

```
<terminated> BRM_LAB_5 (1) [Maven Build] /Library/Java/JavaVirtualMachines/jdk-13.0.2.jdk/Contents/Home/bin/java (25-Mar-2021, 9:18:14 am - 9:21:06 am)
[INFO] Downloading from : https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-dependency-plugin/2.8/maven-dependency-plugin-2.8.jar
[INFO] Downloaded from : https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-dependency-plugin/2.8/maven-dependency-plugin-2.8.jar
[INFO] Downloading from : https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-release-plugin/2.5.3/maven-release-plugin-2.5.3.jar
[INFO] Downloaded from : https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-release-plugin/2.5.3/maven-release-plugin-2.5.3.jar
[INFO] Downloading from : https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-deploy-plugin/2.7/maven-deploy-plugin-2.7.jar
[INFO] Downloaded from : https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-deploy-plugin/2.7/maven-deploy-plugin-2.7.jar
[INFO] Generating "Plugins" report --- maven-project-info-reports-plugin:3.1.1:plugins
[INFO] Downloading from : https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-project-info-reports-plugin/3.1.1/maven-project-info-reports-plugin-3.1.1.jar
[INFO] Downloaded from : https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-project-info-reports-plugin/3.1.1/maven-project-info-reports-plugin-3.1.1.jar
[INFO] Generating "Summary" report --- maven-project-info-reports-plugin:3.1.1:summary
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 02:49 min
[INFO] Finished at: 2021-03-25T09:21:05+05:30
[INFO] -----
```

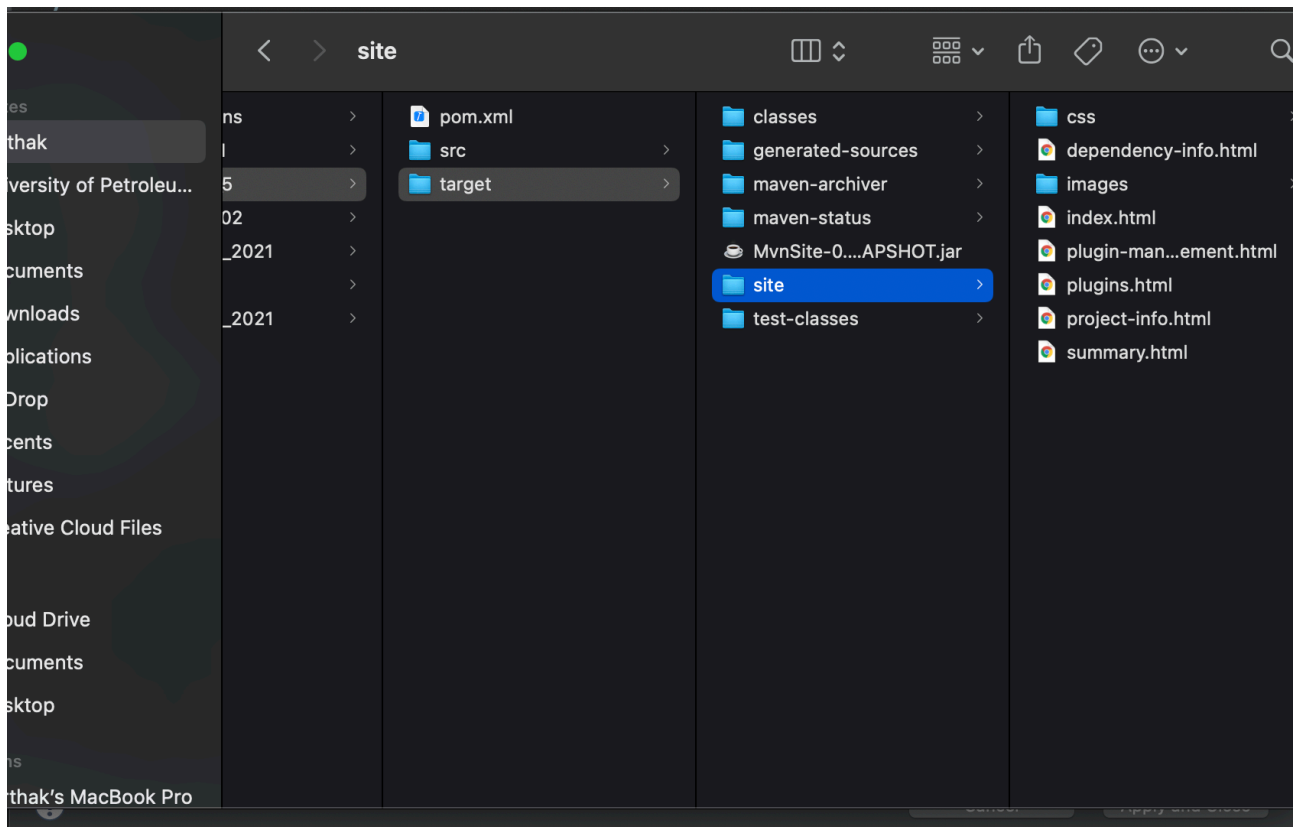
ADD JUNIT TESTING CODE



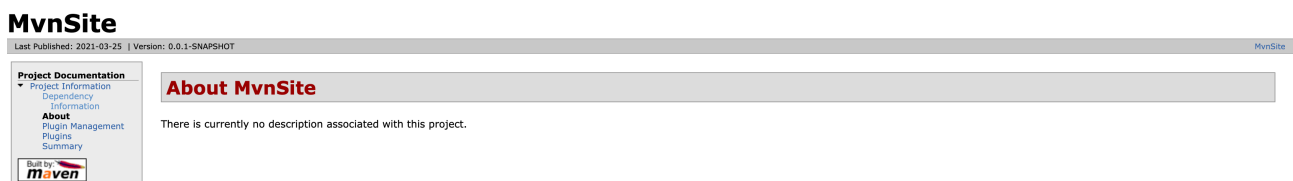
Right Click on the Project and Click the Icon next to the project location :



Open the target folder, then the site folder and locate index.html



This displays the site you just created



Project Documentation

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Dependency

Information

About

Plugin Management

Plugins

Summary

Built by:



Project Summary

Project Information

Field	Value
Name	MvnSite
Description	-
Homepage	-

Project Organization

This project does not belong to an organization.

Build Information

Field	Value
GroupId	document
ArtifactId	MvnSite
Version	0.0.1-SNAPSHOT
Type	jar
Java Version	1.8

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Gradle/Grails

```
compile 'document:MvnSite:0.0.1-SNAPSHOT'
```

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Built by:



Project Plugin Management

GroupId	ArtifactId	Version
org.apache.maven.plugins	maven-antrun-plugin	1.3
org.apache.maven.plugins	maven-assembly-plugin	2.2-beta-5
org.apache.maven.plugins	maven-dependency-plugin	2.8
org.apache.maven.plugins	maven-release-plugin	2.5.3
org.apache.maven.plugins	maven-site-plugin	3.7.1

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Built by:



Project Build Plugins

GroupId	ArtifactId	Version
org.apache.maven.plugins	maven-clean-plugin	2.5
org.apache.maven.plugins	maven-compiler-plugin	3.1
org.apache.maven.plugins	maven-deploy-plugin	2.7
org.apache.maven.plugins	maven-install-plugin	2.4
org.apache.maven.plugins	maven-jar-plugin	2.4
org.apache.maven.plugins	maven-resources-plugin	2.6
org.apache.maven.plugins	maven-site-plugin	3.7.1
org.apache.maven.plugins	maven-surefire-plugin	2.12.4

Project Report Plugins

GroupId	ArtifactId	Version
org.apache.maven.plugins	maven-project-info-reports-plugin	3.1.1

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