












	CodingPatrick adding a screenshot	a28dfe0 1 minute ago	History
..			
	.settings	initllized lab-6	6 days ago
	Assets	Lab6 pictures	3 minutes ago
	bin	initllized lab-6	6 days ago
	src	Lab-6 adding files and README.md	10 minutes ago
	target	Lab-6 adding files and README.md	10 minutes ago
	.DS_Store	Lab-6 adding files and README.md	10 minutes ago
	.classpath	initllized lab-6	6 days ago
	.project	initllized lab-6	6 days ago
	Readme.md	adding a screenshot	1 minute ago
	bookstore5.jar	maven compiled and packaged	6 days ago
	pom.xml	initllized lab-6	6 days ago

 Readme.md

# Lab 06 - SEG 3103 Playground

## Team

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Course: SEG 3103

Date: Thursday July 15, 2021

## Link for deliverable

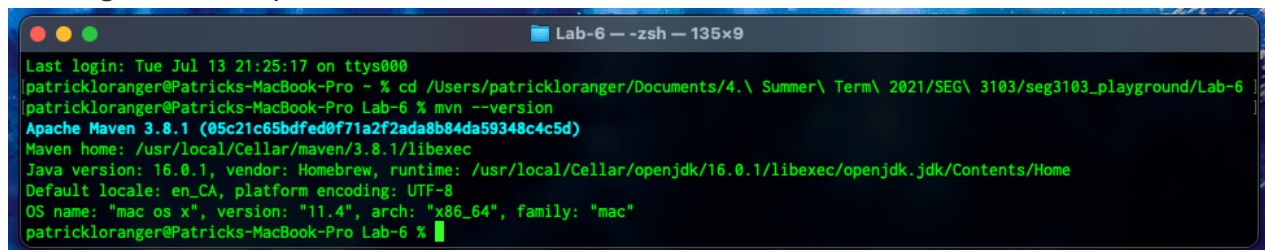
- [https://github.com/CodingPatrick/seg3103\\_playground](https://github.com/CodingPatrick/seg3103_playground)
- The pdf file of the screencapture is found in the submission folder in Brightspace

## Maven Version

First I run this command line:

```
mvn --version
```

And I get this output:

A screenshot of a terminal window titled "Lab-6 -- zsh -- 135x9". The terminal shows the following output:

```
Last login: Tue Jul 13 21:25:17 on ttys000
patrickloranger@Patrick-MacBook-Pro ~ % cd /Users/patrickloranger/Documents/4.\ Summer\ Term\ 2021/SEG\ 3103/seg3103_playground/Lab-6
patrickloranger@Patrick-MacBook-Pro Lab-6 % mvn --version
Apache Maven 3.8.1 (05c21c65bdfed0f71a2f2ada8b84da59348c4c5d)
Maven home: /usr/local/Cellar/maven/3.8.1/libexec
Java version: 16.0.1, vendor: Homebrew, runtime: /usr/local/Cellar/openjdk/16.0.1/libexec/openjdk.jdk/Contents/Home
Default locale: en_CA, platform encoding: UTF-8
OS name: "mac os x", version: "11.4", arch: "x86_64", family: "mac"
patrickloranger@Patrick-MacBook-Pro Lab-6 %
```

## Compiling Maven

After installing maven run the following command

```
mvn compile
```

Here is a screenshot of the successful compiling using maven:



```
patrickloranger@Patricks-MacBook-Pro Lab-6 % mvn compile
[INFO] Scanning for projects...
[INFO] -----< SEG3103:BookstoreApp >-----
[INFO] Building BookstoreApp 0.1.0
[INFO] -----[ jar ]-----
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ BookstoreApp ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory /Users/patrickloranger/Documents/4. Summer Term 2021/SEG 3103/seg3103_playground/Lab-6/src/main/resources
[INFO] --- maven-compiler-plugin:3.7.0:compile (default-compile) @ BookstoreApp ---
[INFO] Nothing to compile - all classes are up to date
[INFO] BUILD SUCCESS
[INFO] ---
[INFO] Total time: 0.745 s
[INFO] Finished at: 2021-07-13T21:46:28-04:00
[INFO] ---
patrickloranger@Patricks-MacBook-Pro Lab-6 %
```

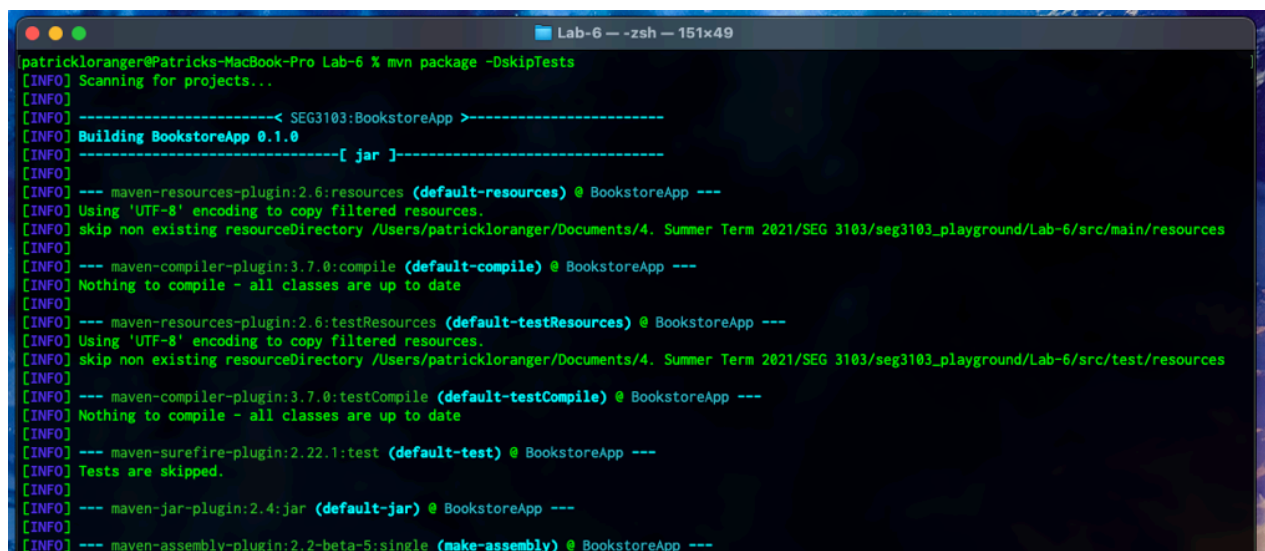
## Packaging the bookstoreApp

After comiling maven run the follwoing command

```
mvn package -DskipTests
```

The command will download a number of files, here's a proof that we ran this command (beginning and end of the run).

### Beginning of the run



```
patrickloranger@Patricks-MacBook-Pro Lab-6 % mvn package -DskipTests
[INFO] Scanning for projects...
[INFO] -----< SEG3103:BookstoreApp >-----
[INFO] Building BookstoreApp 0.1.0
[INFO] -----[ jar ]-----
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ BookstoreApp ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory /Users/patrickloranger/Documents/4. Summer Term 2021/SEG 3103/seg3103_playground/Lab-6/src/main/resources
[INFO] --- maven-compiler-plugin:3.7.0:compile (default-compile) @ BookstoreApp ---
[INFO] Nothing to compile - all classes are up to date
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ BookstoreApp ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory /Users/patrickloranger/Documents/4. Summer Term 2021/SEG 3103/seg3103_playground/Lab-6/src/test/resources
[INFO] --- maven-compiler-plugin:3.7.0:testCompile (default-testCompile) @ BookstoreApp ---
[INFO] Nothing to compile - all classes are up to date
[INFO] --- maven-surefire-plugin:2.22.1:test (default-test) @ BookstoreApp ---
[INFO] Tests are skipped.
[INFO] --- maven-jar-plugin:2.4:jar (default-jar) @ BookstoreApp ---
[INFO] --- maven-assembly-plugin:2.2-beta-5:single (make-assembly) @ BookstoreApp ---
```

### End of the run

```
with assembly file: /Users/patrickloranger/Documents/4. Summer Term 2021/SEG 3103/seg3103_playground/Lab-6/target/BookstoreApp-0.1.0.jar
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 6.669 s
[INFO] Finished at: 2021-07-13T21:47:29-04:00
[INFO] -----
patrickloranger@Patricks-MacBook-Pro Lab-6 %
```

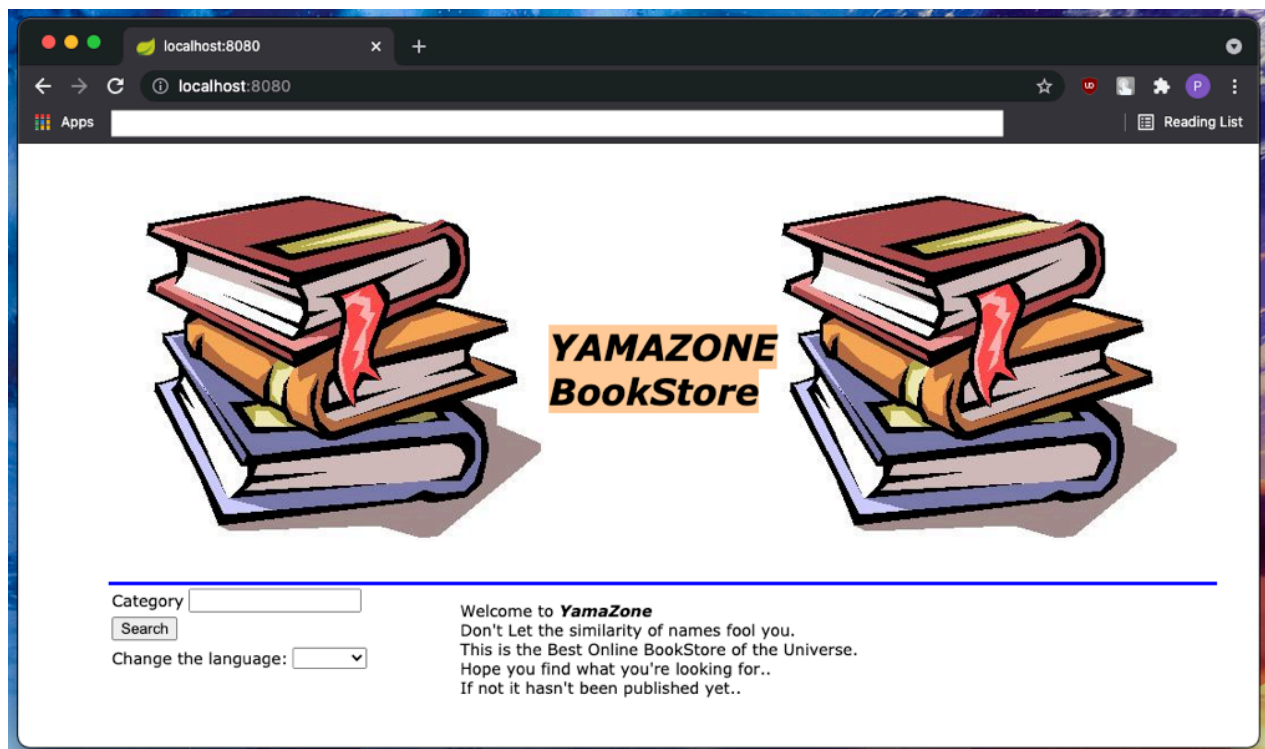
## Running The Server and Viewing The App

Once everything is downloaded and ready, I run this command line to open the localhost server:

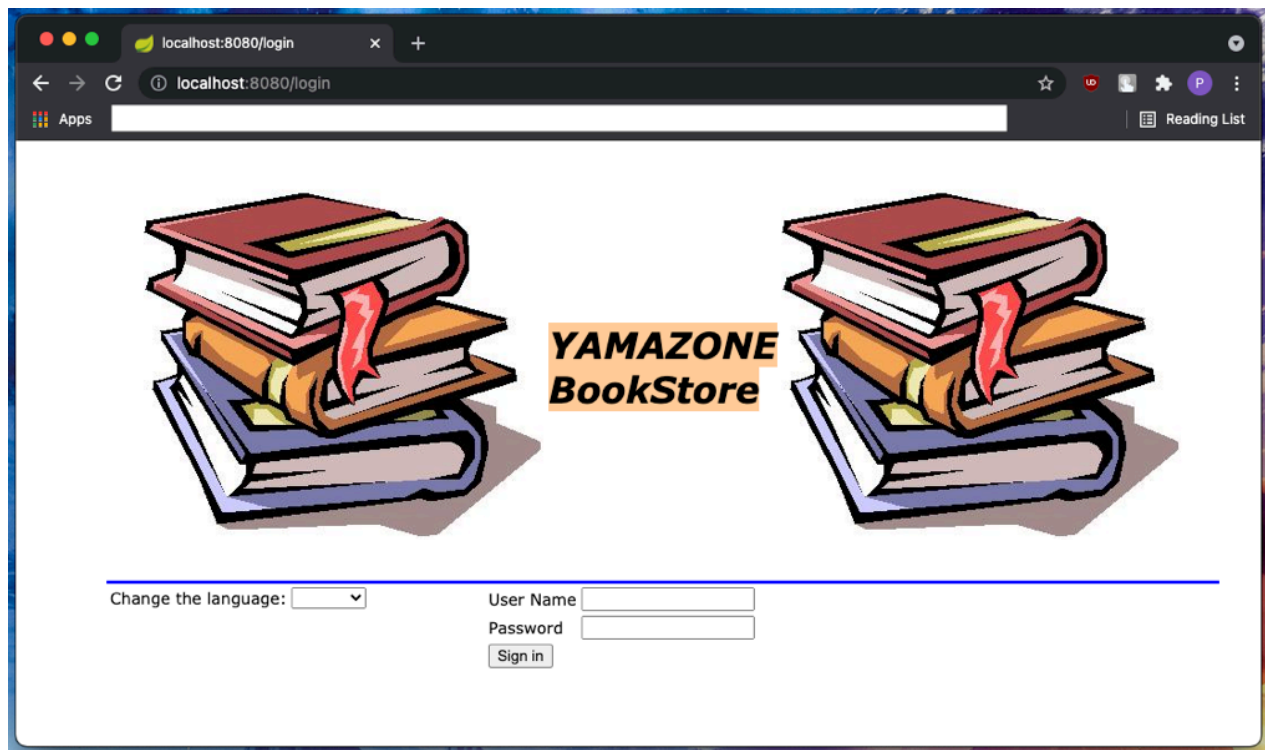
```
java -jar ./target/BookstoreApp-0.1.0.jar
```

```
patrickloranger@Patricks-MacBook-Pro Lab-6 % java -jar ./target/BookstoreApp-0.1.0.jar
Press Enter to stop server
█
```

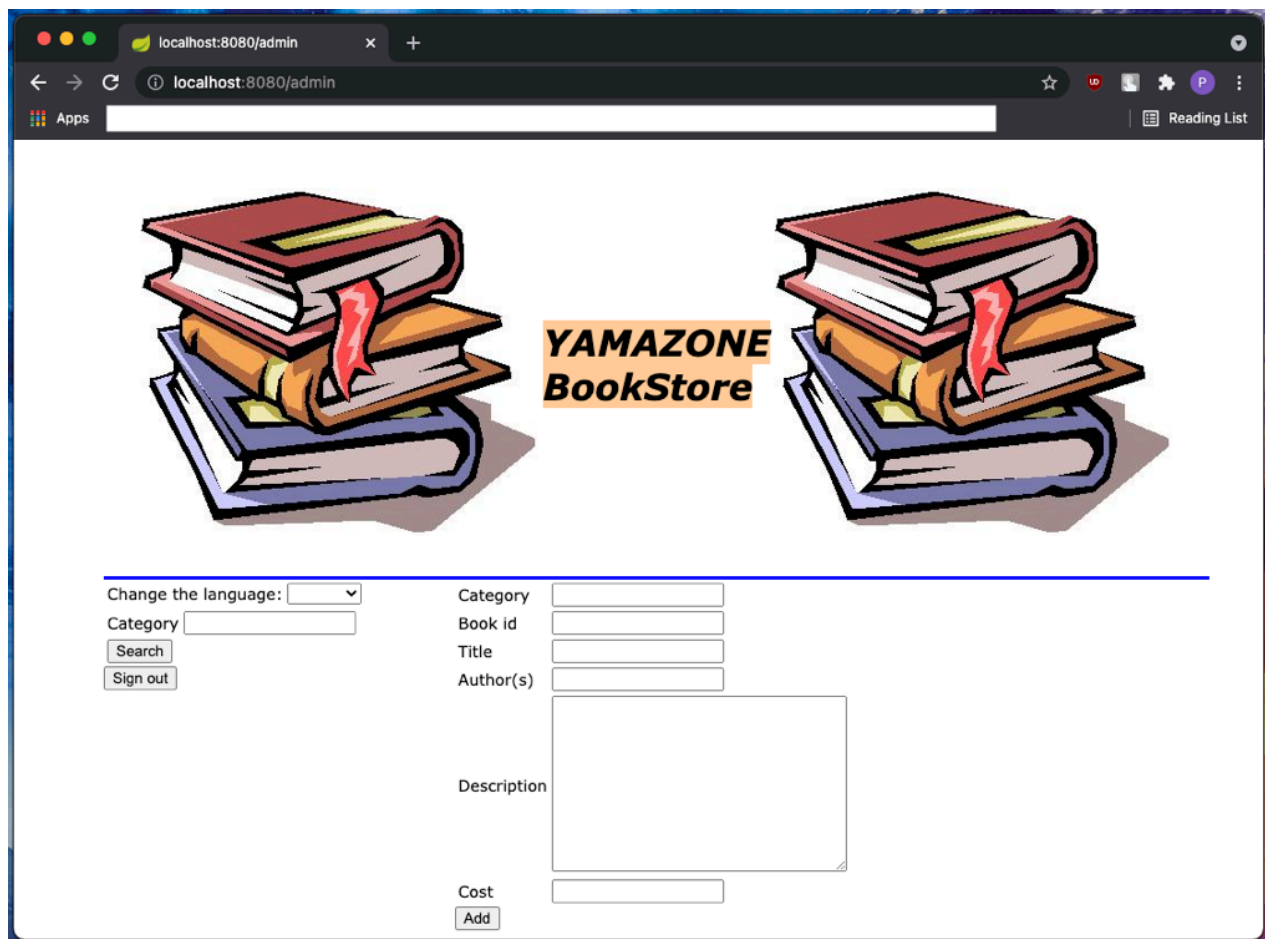
### Homepage



### Admin Login



## Admin Page



## Running The Tests

The following command was run to execute the default tests

```
mvn test
```

```
INFO: Detected dialect: W3C
[INFO] Tests run: 2, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 14.83 s - in selenium.ExampleSeleniumTest
[INFO] Running ExampleTest
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.001 s - in ExampleTest
[INFO]
[INFO] Results:
[INFO]
[INFO] Tests run: 3, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 17.233 s
[INFO] Finished at: 2021-07-13T21:53:52-04:00
[INFO] -----
patrickloranger@Patricks-MacBook-Pro Lab-6 %
```

After initially running the tests, I added a new selenium test to the code:

```
// NEW SELENIUM TEST FOR LAB 6 (ALSO WORKS FOR ASSIGNMENT 3)
@Test
public void F1PositiveTest() {
    // Ensuring that I login before doing any admin actions
    driver.get("http://localhost:8080/login");
    WebElement userName = driver.findElement(By.id("loginId"));
    WebElement password = driver.findElement(By.id("loginPasswd"));
    userName.sendKeys("admin");
    password.sendKeys("password");
    driver.findElement(By.id("loginBtn")).click();
    // Filling out the form
    driver.get("http://localhost:8080/admin");
    driver.findElement(By.id("addBook-category")).sendKeys("Fiction");
    driver.findElement(By.id("addBook-id")).sendKeys("h11023");
    driver.findElement(By.id("addBook-title")).sendKeys("Of Mice and Men");
    driver.findElement(By.id("addBook-authors")).sendKeys("John Steinbeck");
    driver.findElement(By.id("longDescription")).sendKeys("The book talks about two ranch workers during the great depression");
    driver.findElement(By.id("cost")).sendKeys("20.00");
    // submitting the form
    driver.findElement(By.name("addBook")).click();
    // ensuring that there is a feedback messages
    String feedbackMessage = driver.findElement(By.cssSelector("#feedback h2")).getText();
    assertEquals("Successfully added book", feedbackMessage);
    // ensuring that the books has actually been added
    driver.findElement(By.id("searchBtn")).click();
    String title = driver.findElement(By.id("title-h11023")).getText();
    assertEquals("Of Mice and Men", title);
}
```

Finally, I ran the testing command line one more time to see if my new test passes:

```
INFO: Detected dialect: W3C
[INFO] Tests run: 3, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 17.855 s - in selenium.ExampleSeleniumTest
[INFO] Running ExampleTest
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0 s - in ExampleTest
[INFO]
[INFO] Results:
[INFO]
[INFO] Tests run: 4, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 19.473 s
[INFO] Finished at: 2021-07-13T21:52:03-04:00
[INFO] -----
patrickloranger@Patricks-MacBook-Pro Lab-6 %
```

It passed and it works.