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Build documentation

# MEALSTOP

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## Build Documentation:

Step 1: Install git and go to the URL: [https://git.cs.dal.ca/courses/2022-winter/csci-5308/group1/mealstop\\_app](https://git.cs.dal.ca/courses/2022-winter/csci-5308/group1/mealstop_app) and clone the project. [1]

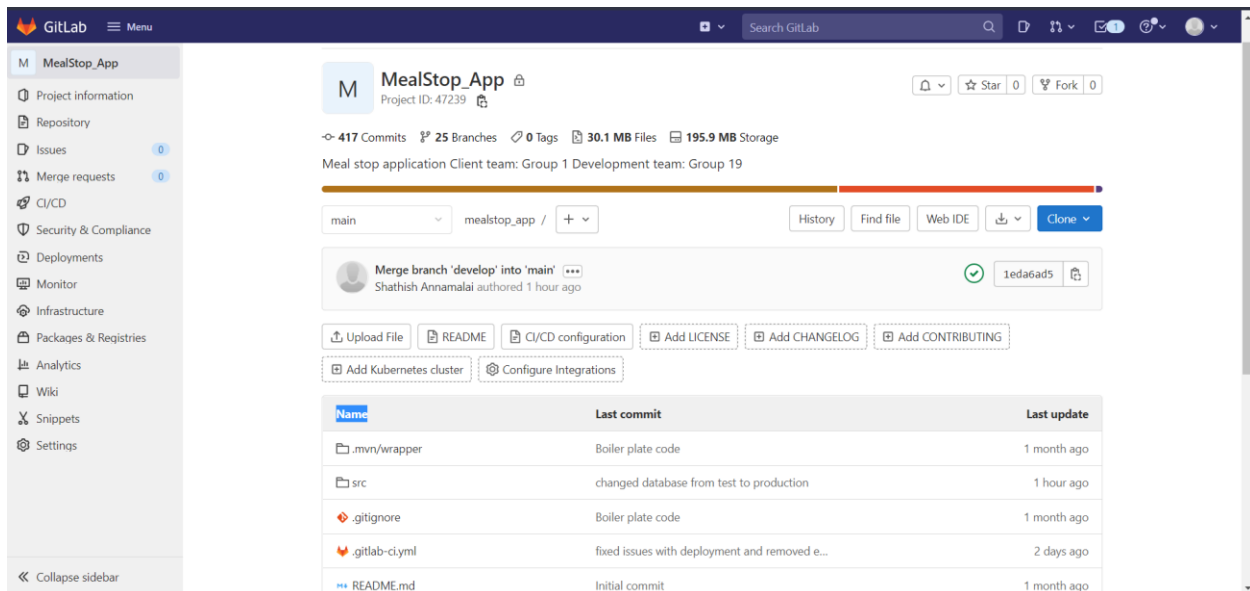


Figure 1 project repository

Step 2: Install Maven: <https://maven.apache.org/download.cgi> [2]

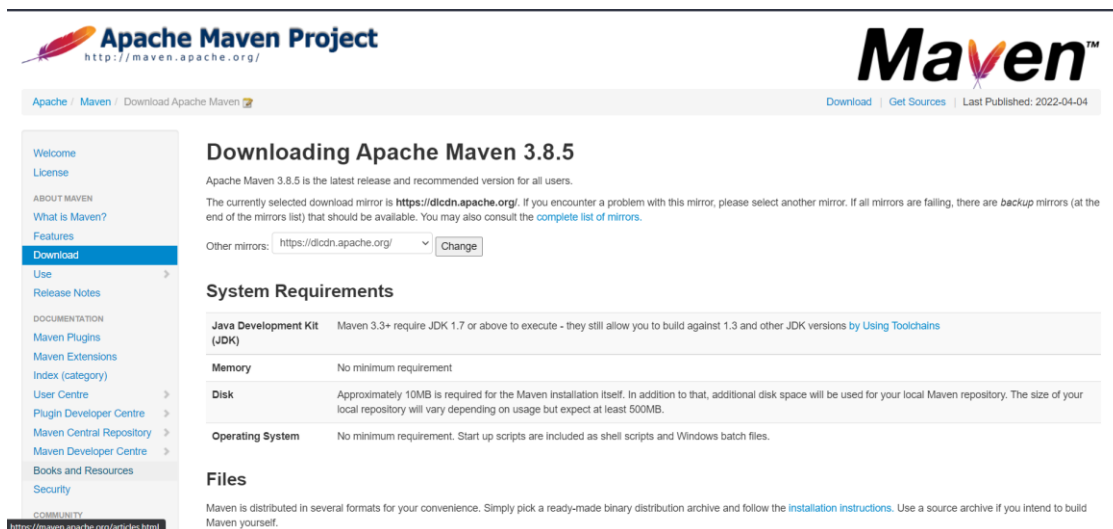
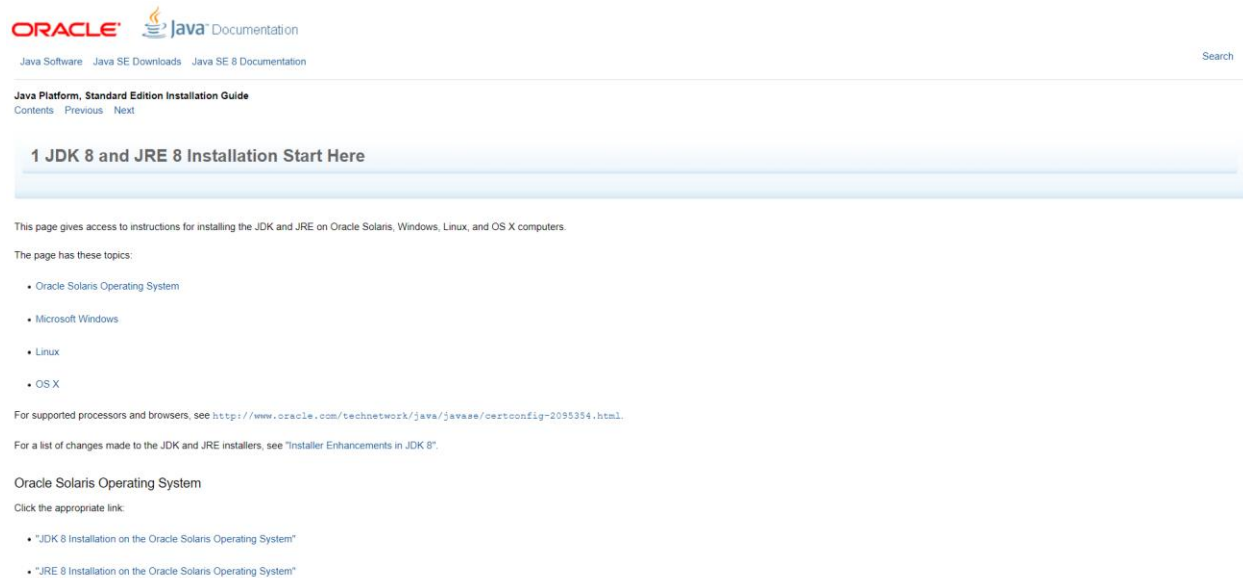


Figure 2 Apache Maven

### Step 3: Install Java jdk 1.8 [3]

[https://docs.oracle.com/javase/8/docs/technotes/guides/install/install\\_overview.html](https://docs.oracle.com/javase/8/docs/technotes/guides/install/install_overview.html)



The screenshot shows the Oracle Java Documentation page for the Java Platform, Standard Edition Installation Guide. The page has a header with the Oracle logo and 'Java Documentation'. Below the header, there are navigation links for 'Java Software', 'Java SE Downloads', and 'Java SE 8 Documentation'. A search bar is located on the right side of the header. The main content area has a title 'Java Platform, Standard Edition Installation Guide' and a subtitle '1 JDK 8 and JRE 8 Installation Start Here'. The page text states: 'This page gives access to instructions for installing the JDK and JRE on Oracle Solaris, Windows, Linux, and OS X computers.' It then lists the topics covered: 'Oracle Solaris Operating System', 'Microsoft Windows', 'Linux', and 'OS X'. A link is provided for supported processors and browsers: 'http://www.oracle.com/technetwork/java/javase/certoonfig-2055354.html'. A note mentions that for a list of changes made to the JDK and JRE installers, see 'Installer Enhancements in JDK 8'. Under the heading 'Oracle Solaris Operating System', it says 'Click the appropriate link:' and lists two links: 'JDK 8 Installation on the Oracle Solaris Operating System' and 'JRE 8 Installation on the Oracle Solaris Operating System'.

ORACLE Java Documentation

Java Software Java SE Downloads Java SE 8 Documentation Search

Java Platform, Standard Edition Installation Guide  
Contents Previous Next

## 1 JDK 8 and JRE 8 Installation Start Here

This page gives access to instructions for installing the JDK and JRE on Oracle Solaris, Windows, Linux, and OS X computers.

The page has these topics:

- Oracle Solaris Operating System
- Microsoft Windows
- Linux
- OS X

For supported processors and browsers, see <http://www.oracle.com/technetwork/java/javase/certoonfig-2055354.html>.

For a list of changes made to the JDK and JRE installers, see "Installer Enhancements in JDK 8".

### Oracle Solaris Operating System

Click the appropriate link:

- "JDK 8 Installation on the Oracle Solaris Operating System"
- "JRE 8 Installation on the Oracle Solaris Operating System"

Figure 3 download java JDK

## Steps to run in local machine

Step 4: Go to the cloned directory and run the following command to run all the tests **mvn clean test**

Step5: Run the following command to build the application and create a runnable jar **mvn package -b**

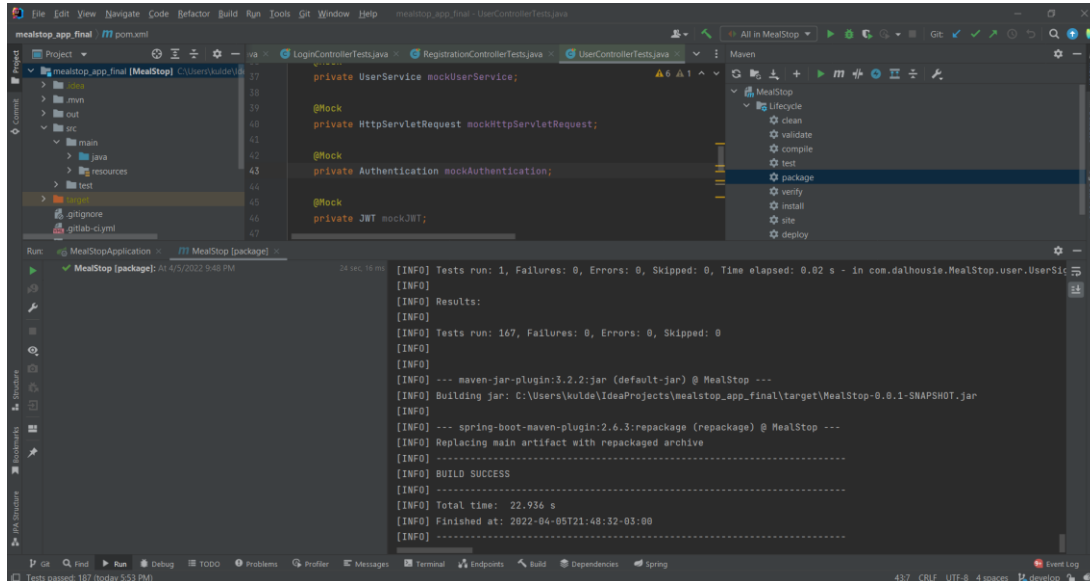


Figure 4 application running on local machine

Step 6: run the generated jar file with java command **java -jar target/MealStop-0.0.1-SNAPSHOT.jar** or run the mvn command to start the application **mvn springboot-r**

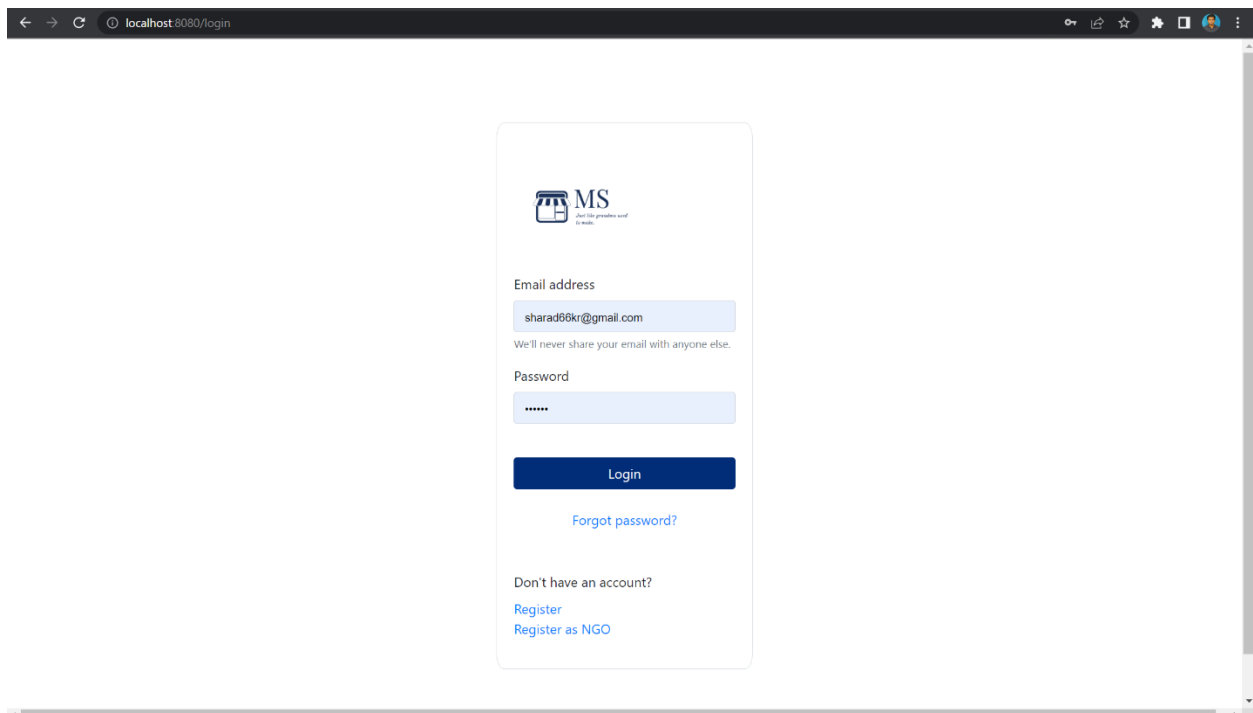


Figure 5 localhost

## Steps to run the application in Heroku [4]

Step 7: Build the application using maven **mvn package -B**

Step 8 : Update the linux repositories **apt-get update -qy**

Step 9: Download ruby **apt-get install -y ruby-dev**

Step 10: Download and install Gem **gem install dpl**

Step 11: Extract keys from Heroku app and run the command **dpl --provider=heroku --app=mealstop-application --api-key= a8dc4061-fd5c-4022-9c25-015043bcf9b0**

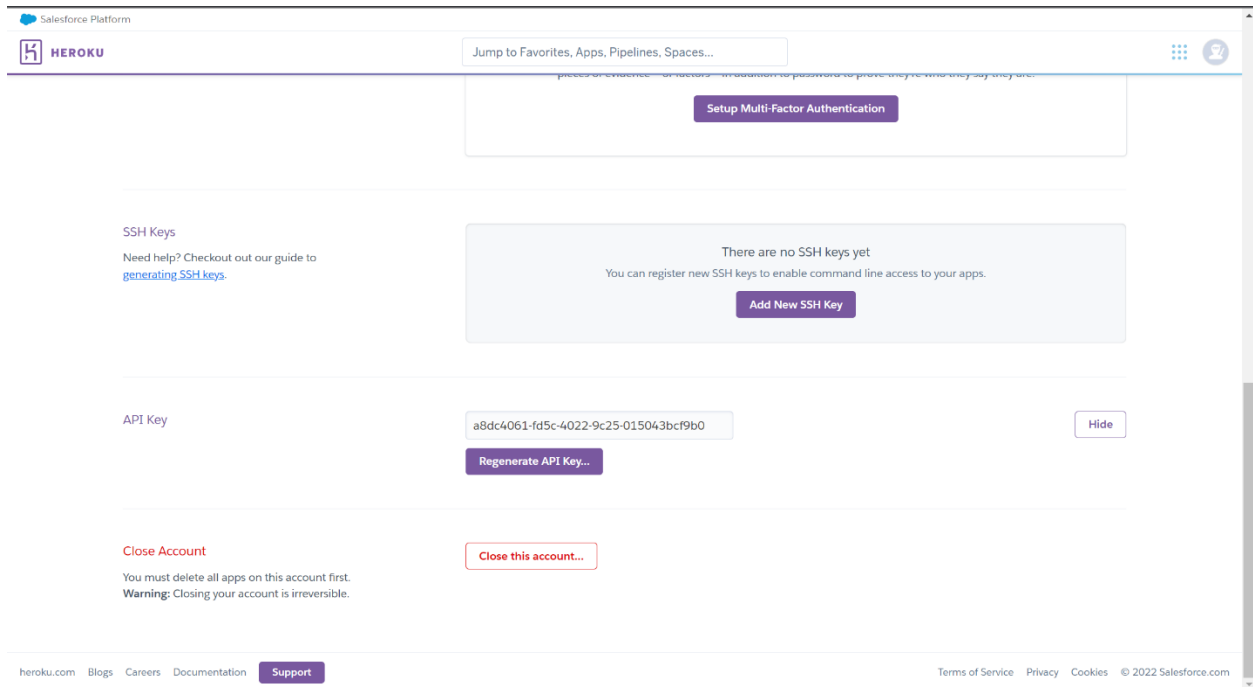


Figure 6 heroku api key

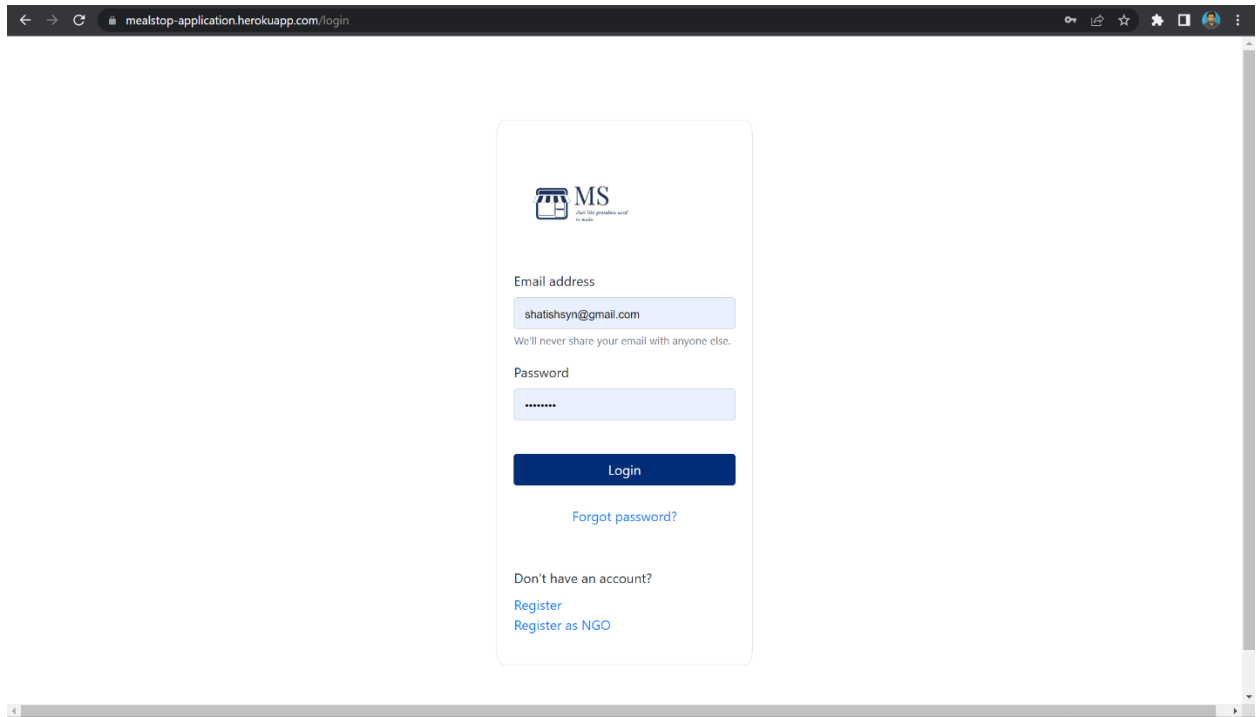


Figure 7 app running on Heroku

## References

- [1] gitlab, "MealStop\_App," [Online]. Available: [https://git.cs.dal.ca/courses/2022-winter/csci-5308/group1/mealstop\\_app](https://git.cs.dal.ca/courses/2022-winter/csci-5308/group1/mealstop_app).
- [2] maven, "apache maven project," [Online]. Available: <https://maven.apache.org/>.
- [3] oracle, "java documentation," [Online]. Available: [https://docs.oracle.com/javase/8/docs/technotes/guides/install/install\\_overview.html](https://docs.oracle.com/javase/8/docs/technotes/guides/install/install_overview.html).
- [4] s. developer, "heroku," [Online]. Available: <https://www.heroku.com/>.