



DALHOUSIE
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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 and clone the project. [1]

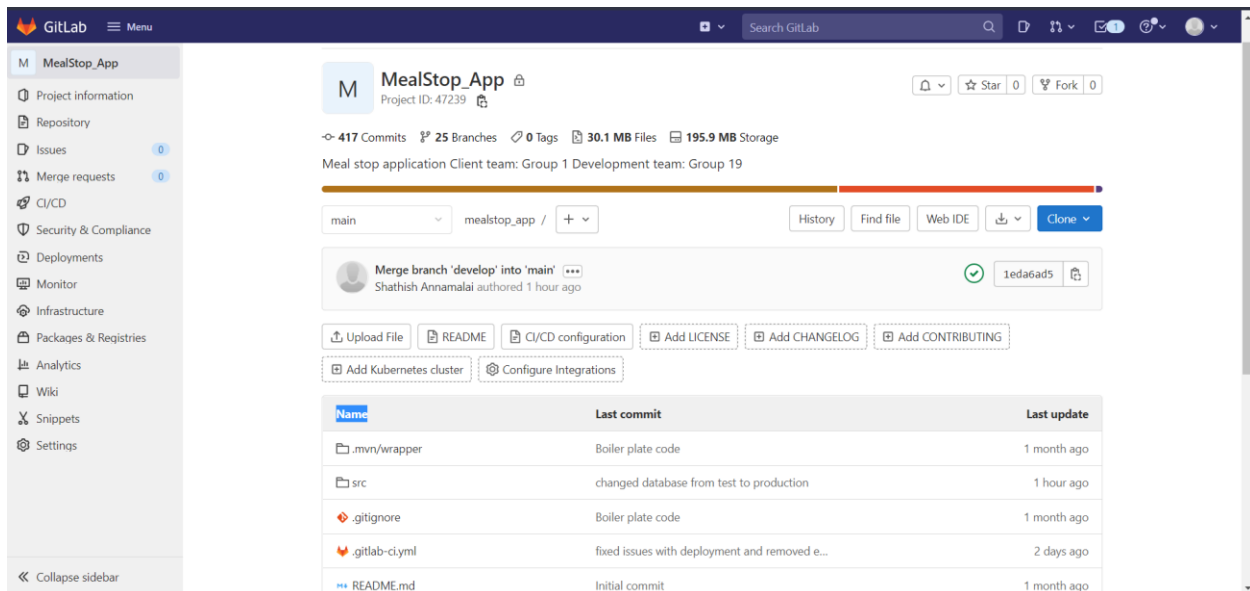


Figure 1 project repository

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

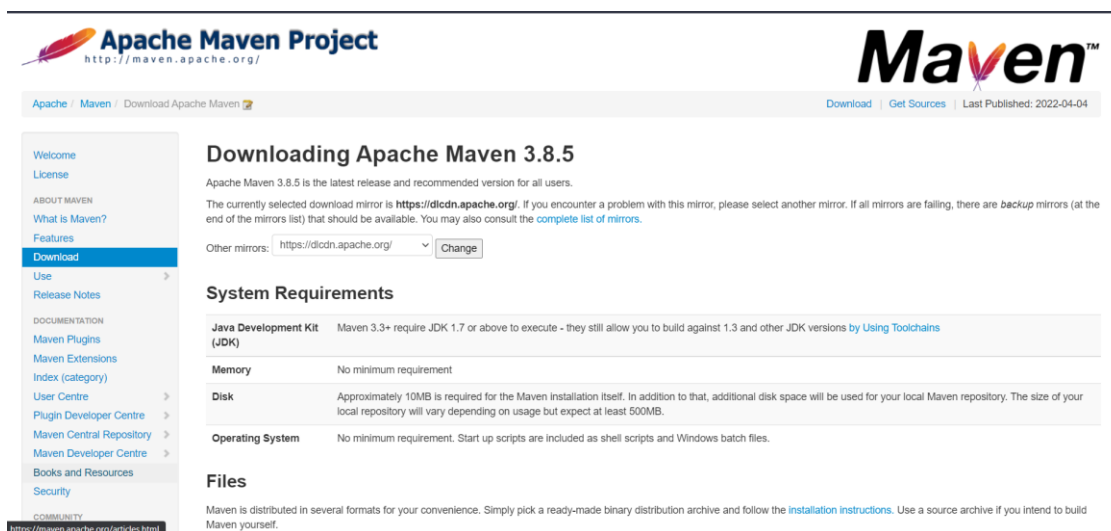
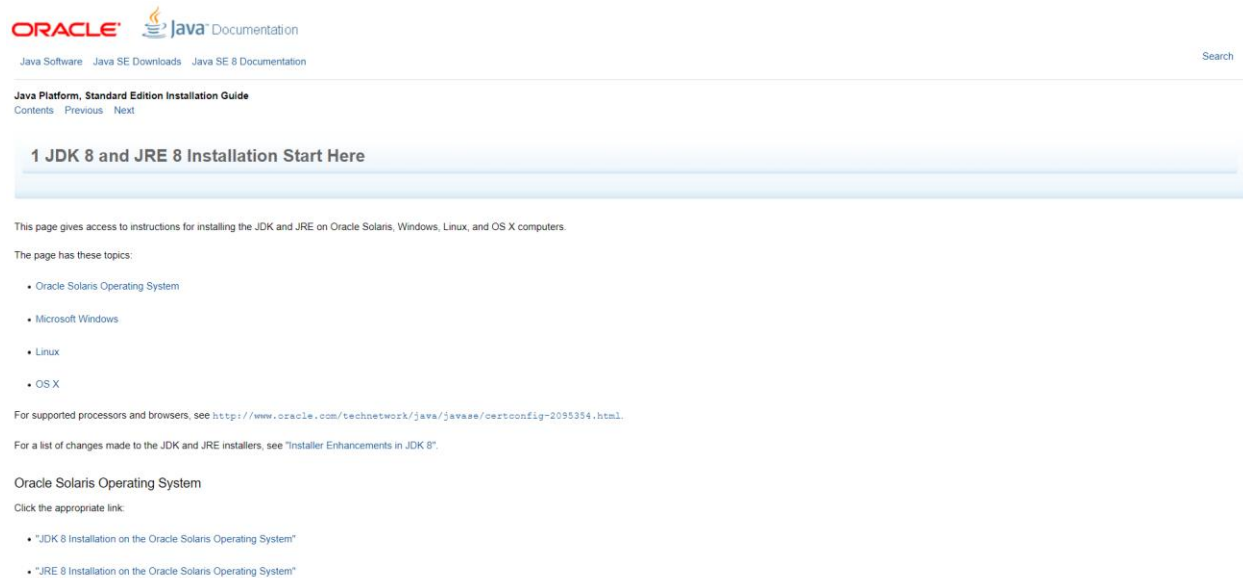


Figure 2 Apache Maven

Step 3: Install Java jdk 1.8 [3]

https://docs.oracle.com/javase/8/docs/technotes/guides/install/install_overview.html



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 is a navigation bar with 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 link is also provided for a list of changes made to the JDK and JRE installers: "Installer Enhancements in JDK 8". The page concludes with the heading "Oracle Solaris Operating System" and a link to "Click the appropriate link:" followed by 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
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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**

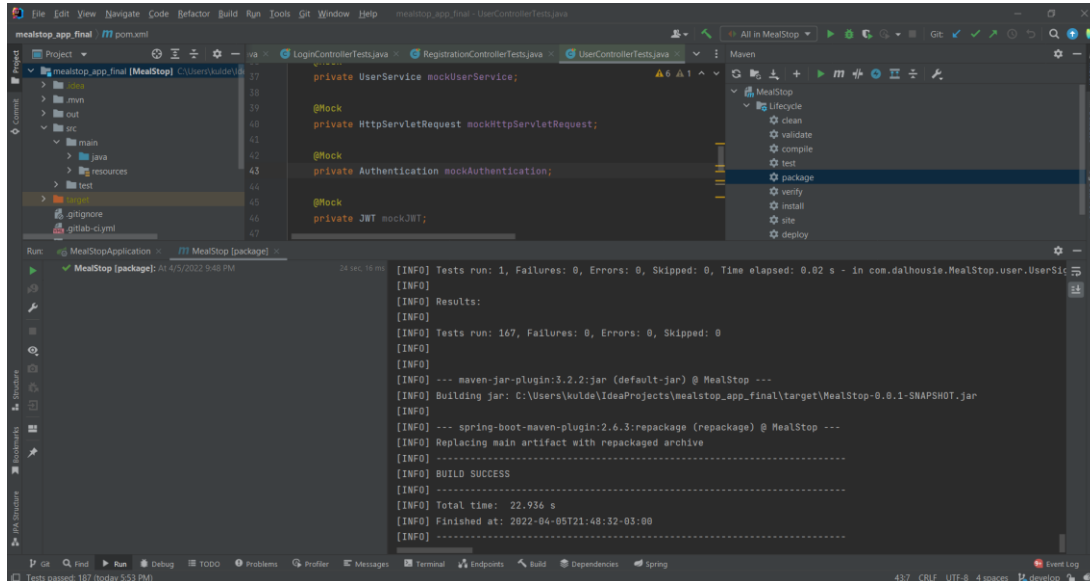


Figure 4 application running on local machine

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**

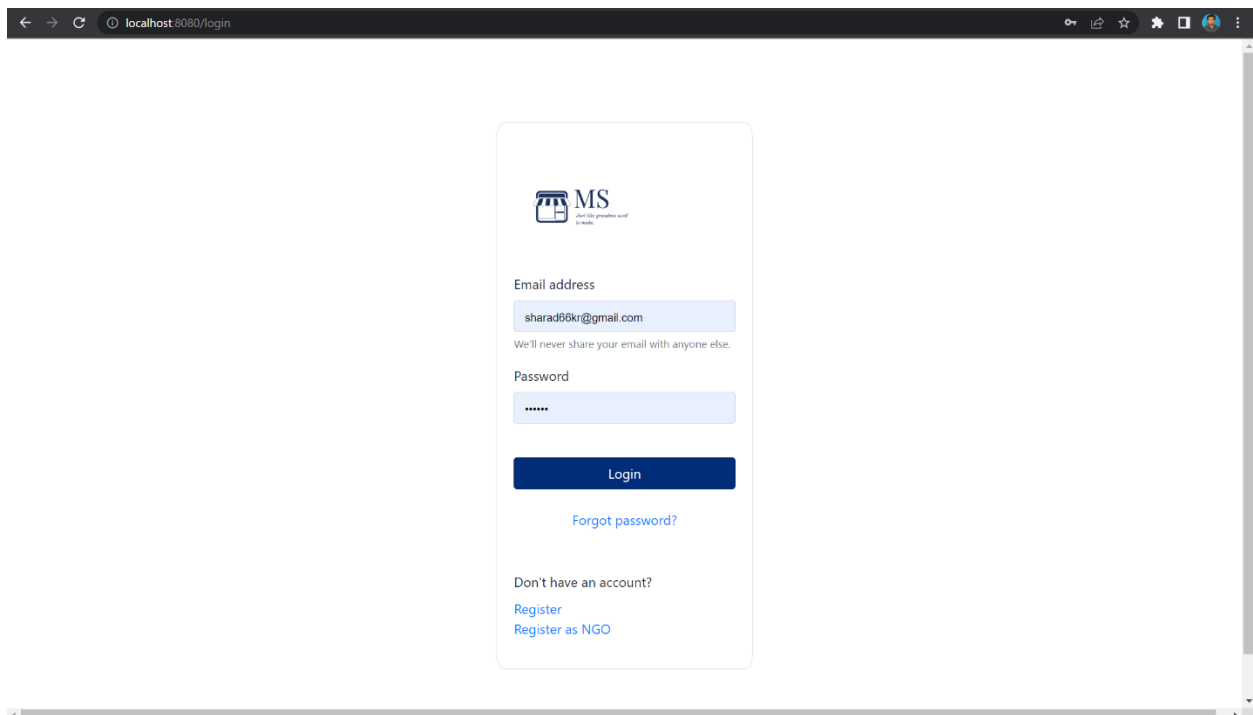


Figure 5 localhost

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**

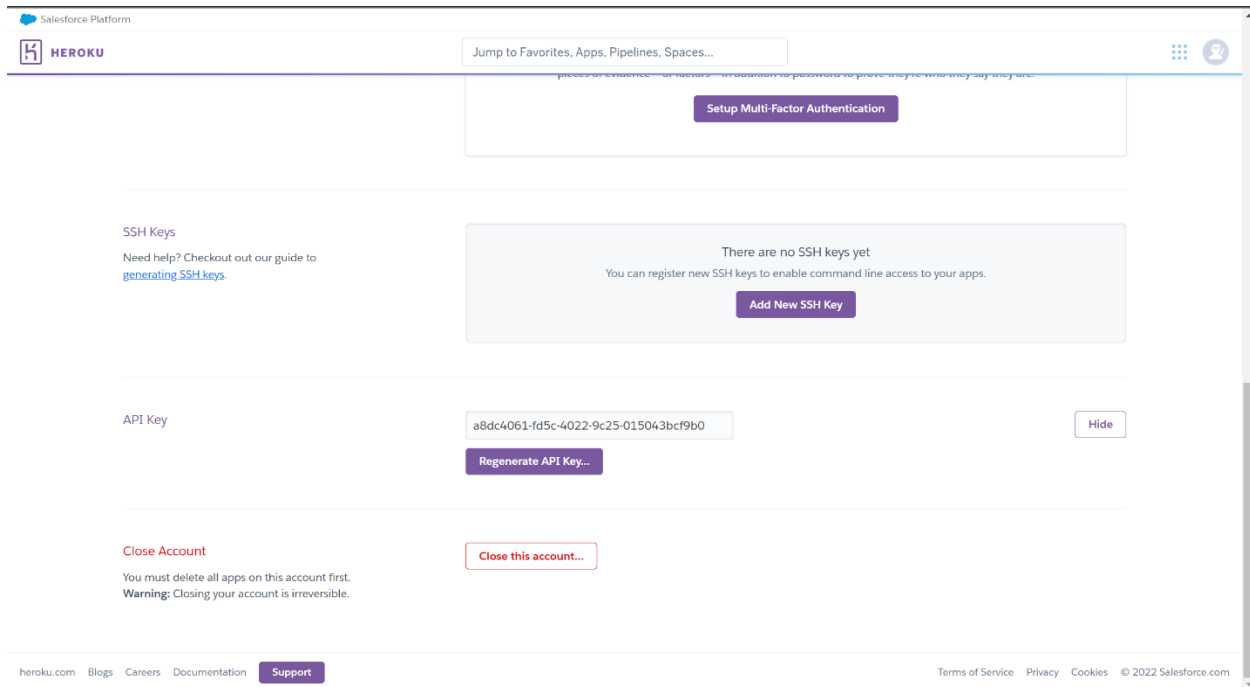


Figure 6 heroku api key

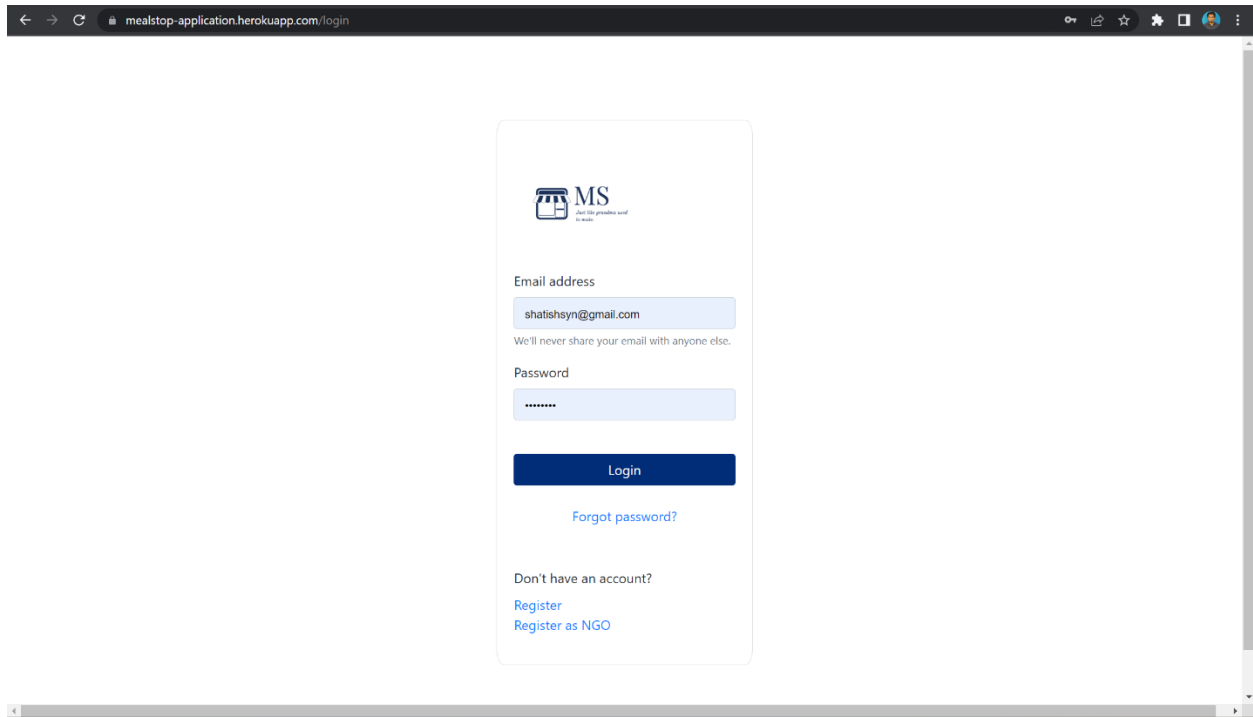


Figure 7 app running on Heroku

APP URL: <https://mealstop-application.herokuapp.com/>

References

- [1] gitlab, "MealStop_App," [Online]. Available: 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.
- [4] s. developer, "heroku," [Online]. Available: <https://www.heroku.com/>.