

CSCI5308 - Adv Topics in Software Develop

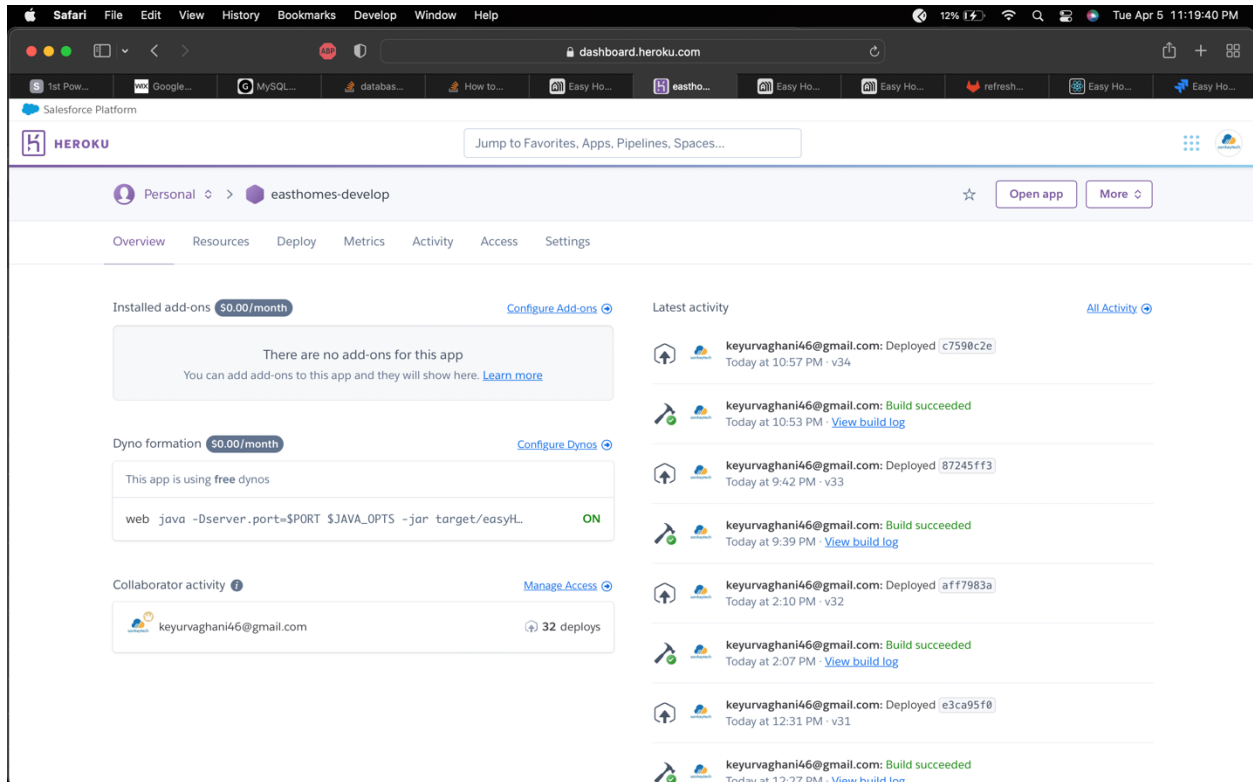
Final project Group-24

Deployment on the Heroku:

The deployment has been done into the Heroku server.

We have deployed our front-end which is in the React technology and the back-end which is in Spring boot, both into the one server named “easthomes-develop” for the development purpose and “easy-homes-prod”

We have created the Heroku app on Heroku server



Then we have created the CD pipeline and created deployment stage into the .yaml file of the deployment.

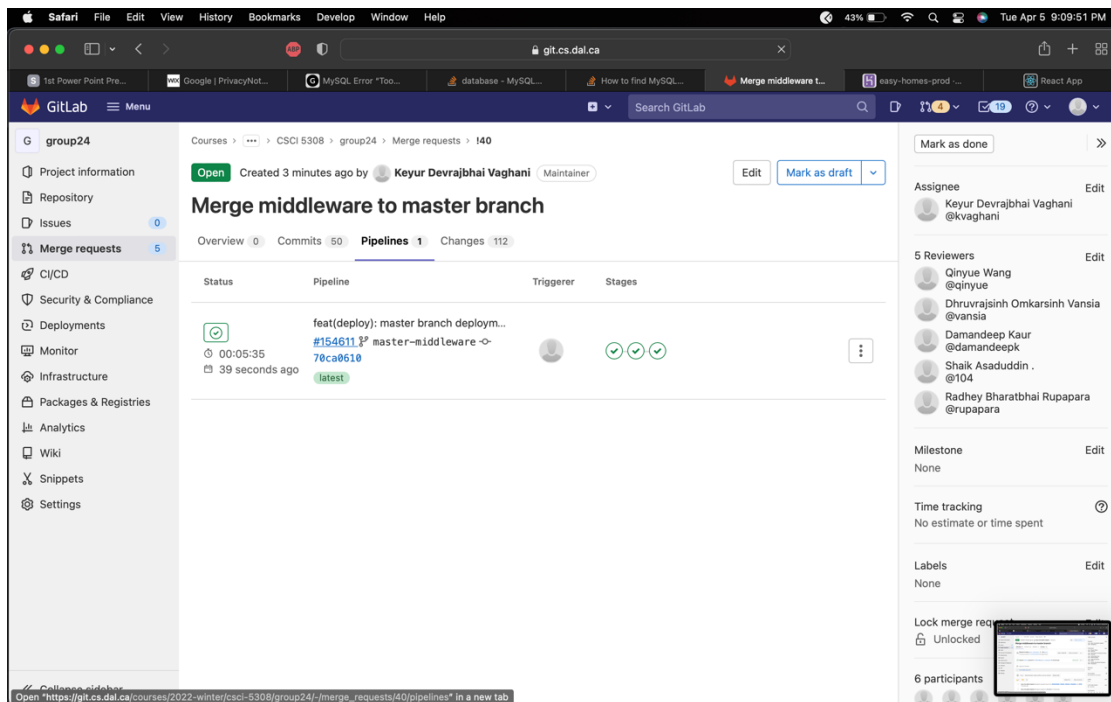
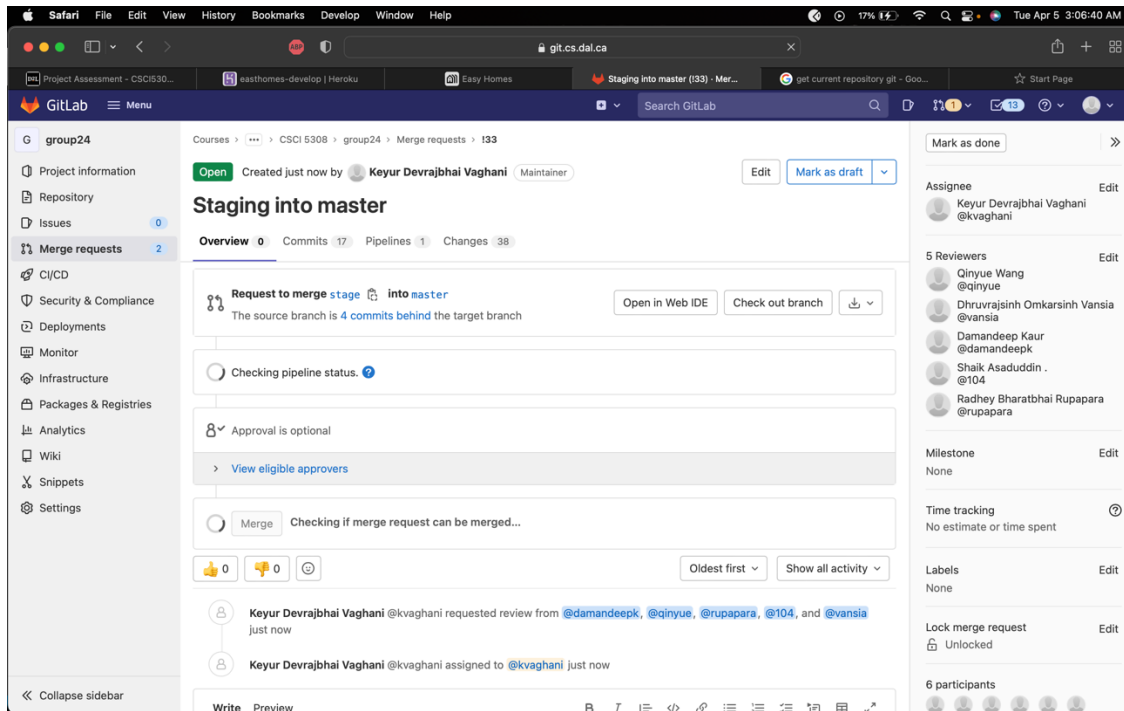
Below is the deployment stage from .gitlab-ci.yml file

```
deploy_develop:
  stage: deploy
  image: ruby:latest
  tags:
    - dalfcs_docker_autoscale
  script:
    - echo "deploying Easy-Homes develop"
    - rm -f package-lock.json
    - apt-get update -qy
    - apt-get install -y ruby-dev
    - gem install dpl
    - dpl --provider=heroku --app=$HEROKU_APP_NAME --api-key=$HEROKU_KEY
    - echo "backend application has been built"
  only:
    refs:
      - master
```

Where the `rm -f package-lock.json` file will remove the old file logs from the Heroku server.

`apt-get update` "updates" the package lists by downloading the most recent versions of packages and their dependencies from the repositories. Where `dpl` is a continuous deployment tool that was created and is used by Travis CI, although it can also be used with GitLab CI/CD. And we have added `$HEROKU_APP_NAME` what set as the environment variable in to the Gitlab, and `$HEROKU_KEY` is the key for the API key for the Heroku server access.

Below are the screenshot of our Continuous deployment



```
Terminal Shell Edit View Window Help
easy-homes-prod -- zsh -- 204x60

remote: [INFO] Downloading from central: https://repo.maven.apache.org/maven2/com/google/guava/guava/28.2-android/guava-28.2-android.jar
remote: [INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/ow2/asm/asm-util/8.0/asm-util-8.0.jar (86 kB at 609 kB/s)
remote: [INFO] Downloading from central: https://repo.maven.apache.org/maven2/com/google/guava/failureaccess/1.0.1/failureaccess-1.0.1.jar
remote: [INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-shade-plugin/3.2.4/maven-shade-plugin-3.2.4.jar (134 kB at 902 kB/s)
remote: [INFO] Downloading from central: https://repo.maven.apache.org/maven2/com/google/guava/listenablefuture/9999.0-empty-to-avoid-conflict-with-guava/listenablefuture-9999.0-empty-to-avoid-conflict-with-guava.jar
remote: [INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/yafer/jdependency/2.4.0/jdependency-2.4.0.jar (180 kB at 1.2 MB/s)
remote: [INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/checkerframework/checker-compat-qual/2.5.5/checker-compat-qual-2.5.5.jar
remote: [INFO] Downloaded from central: https://repo.maven.apache.org/maven2/com/google/guava/failureaccess/1.0.1/failureaccess-1.0.1.jar (4.6 kB at 30 kB/s)
remote: [INFO] Downloading from central: https://repo.maven.apache.org/maven2/com/google/errorprone/error_prone_annotations/2.3.4/error_prone_annotations-2.3.4.jar
remote: [INFO] Downloaded from central: https://repo.maven.apache.org/maven2/com/google/guava/listenablefuture/9999.0-empty-to-avoid-conflict-with-guava/listenablefuture-9999.0-empty-to-avoid-conflict-with-guava.jar (2.2 kB at 34 kB/s)
remote: [INFO] Downloading from central: https://repo.maven.apache.org/maven2/com/google/j2objc/j2objc-annotations/1.3/j2objc-annotations-1.3.jar
remote: [INFO] Downloaded from central: https://repo.maven.apache.org/maven2/com/google/errorprone/error_prone_annotations/2.3.4/error_prone_annotations-2.3.4.jar (14 kB at 88 kB/s)
remote: [INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/commons/commons-lang3/3.7/commons-lang3-3.7.jar
remote: [INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/checkerframework/checker-compat-qual/2.5.5/checker-compat-qual-2.5.5.jar (5.9 kB at 36 kB/s)
remote: [INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/jdom/jdom2/2.0.6/jdom2-2.0.6.jar (305 kB at 1.8 MB/s)
remote: [INFO] Downloaded from central: https://repo.maven.apache.org/maven2/com/google/j2objc/j2objc-annotations/1.3/j2objc-annotations-1.3.jar (8.8 kB at 53 kB/s)
remote: [INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/commons/commons-lang3/3.7/commons-lang3-3.7.jar (800 kB at 2.7 MB/s)
remote: [INFO] Downloaded from central: https://repo.maven.apache.org/maven2/com/google/guava/guava/28.2-android/guava-28.2-android.jar (2.6 MB at 13 MB/s)
remote: [INFO] Replacing main artifact with repackaged archive
remote: [INFO]
remote: [INFO] --- maven-install-plugin:2.5.2:install (default-install) @ easyHomes ---
remote: [INFO] Downloading from central: https://repo.maven.apache.org/maven2/commons-codec/commons-codec/1.6/commons-codec-1.6.pom
remote: [INFO] Downloaded from central: https://repo.maven.apache.org/maven2/commons-codec/commons-codec/1.6/commons-codec-1.6.pom (11 kB at 1.1 MB/s)
remote: [INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/commons/commons-parent/22/commons-parent-22.pom
remote: [INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/commons/commons-parent/22/commons-parent-22.pom (42 kB at 6.0 MB/s)
remote: [INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/shared/maven-shared-utils/0.4/maven-shared-utils-0.4.pom
remote: [INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/shared/maven-shared-utils/0.4/maven-shared-utils-0.4.pom (4.0 kB at 289 kB/s)
remote: [INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/shared/maven-shared-utils/0.4/maven-shared-utils-0.4.jar
remote: [INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/shared/maven-shared-utils/0.4/maven-shared-utils-0.4.jar (155 kB at 5.6 MB/s)
remote: [INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-utils/3.0.15/plexus-utils-3.0.15.jar
remote: [INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-utils/3.0.15/plexus-utils-3.0.15.jar (239 kB at 8.5 MB/s)
remote: [INFO] Installing /tmp/build.8cd6d6/target/easyHomes-0.0.1-SNAPSHOT.jar to /tmp/codon/tmp/cache/m2/repository/com/group24/easyHomes/easyHomes/0.0.1-SNAPSHOT/easyHomes-0.0.1-SNAPSHOT.jar
remote: [INFO] Installing /tmp/build.8cd6d6/pom.xml to /tmp/codon/tmp/cache/m2/repository/com/group24/easyHomes/easyHomes/0.0.1-SNAPSHOT/easyHomes-0.0.1-SNAPSHOT.pom
remote: [INFO]
remote: [INFO] BUILD SUCCESS
remote: [INFO]
remote: [INFO] Total time: 56.010 s
remote: [INFO] Finished at: 2022-04-05T05:33:22Z
remote: [INFO]
remote: -----
remote: -----> Discovering process types
remote: Profile declares types -> web
remote:
remote: -----> Compressing...
remote: Done: 154.0M
remote: -----> Launching...
remote: Released v0
remote: https://easy-homes-prod.herokuapp.com/ deployed to Heroku
remote:
remote: Verifying deploy... Done.
To https://git.heroku.com/easy-homes-prod.git
* [new branch] master -> master
keyuz@Keyurs-MacBook-Air easy-homes-prod %
```

Reference:

- [1] “Categories.” *Deployment | Heroku Dev Center*,
<https://devcenter.heroku.com/categories/deployment>.