

System Setup

[Video to Run the Project](https://youtu.be/ictBcBIGBmk)

<https://youtu.be/ictBcBIGBmk>



[Video to Demo The Project](https://youtu.be/EPMNCAEIkeQ)

<https://youtu.be/EPMNCAEIkeQ>



We also have Jenkins for continuous integration. Every time new code are pushed in the code repository, or someone make a PR, it will trigger Jenkins webhook. Sonarqube used to check code quality.

Please follow installation Instruction:

- [Jenkins](#)
 - [Sonarqube](#)
-

The technologies for the backends include, Java 8, SpringMVC, MySQL Workbench, Maven and other libraries maven will build based on the pom.xml. The pom.xml listed all the libraries the product is currently depending on to run. It is also the place to add more plugins, libraries in the future. Maven will use it to build the backend.

Please follow installation Instruction:

- [Java 8, SpringMVC and Maven](#)
 - [MySQL Workbench](#)
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The technologies for the frontends include Node Package Manager (NPM), Yarn Package Manager (Yarn), EcmaScript 6, and ReactJS and other library listed in package.json files. NPM or Yarn both have the ability to build the frontend dependencies based on the package.json files.

Installation instructions to run frontend:

- [NPM](#)
- [Yarn](#)

Once you have the tools install, the rest should be smooth. You will find the the code base in on Github.

Clone Github Repository

Install with SSH key

```
git clone git@github.ccs.neu.edu:CS4500/team-31-spring18.git
```

Install with Github account username and password

```
git clone https://github.ccs.neu.edu/CS4500/team-31-spring18.git
```

Install backend

Make sure you are in the top level directory, where pom.xml is located.

Create a JAR file to upload to AWS Elastic Bean Stalk

```
mvn clean install
```

Run the back-end on localhost:8081

```
mvn spring-boot:run
```

Run the back-end tests

```
mvn compile  
mvn test
```

Install frontend

When installing/running front-end, you should be in <root>/src/main/webapp/, where there will be a package.json file.

Create a production build, a build folder will be created do be deploy on

Install all dependencies

```
npm install
```

AWS S3 or anything web-host server.

```
yarn build_prod
```

Running the frontend on localhost:3000

```
yarn start
```

Running front-end tests

```
yarn test
```

If error due to `TypeError: environment.setup`, then eject, then re-run all test suites.

Might needed to run `yarn install` again

Other Info

- All backend REST endpoints and documentation are located in `DEV_API_DOCS` folder