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# Provided evaluation environment

The provided system is a temporary testing environment. Feel free to make any changes needed for evaluation.

**Production environment at:** <https://lusbydevelopment.com>

To log into the system, use these credentials.

**Username:** tester

**Password:** @w8%TtG@dW

# Source Code

All the source code for the project is available at this link but is also provided in the attached source folder

**Git hub repository at:** <https://github.com/TimothyAL/capstone>

In the source code sub folder or the github repository the source code is broken into three sections. The Python for the back end is in the flask sub-folder, the JavaScript for the front end is in the react sub-folder, and the reverse proxy config is in the nginx sub-folder.

# Documentation

The accompanying documentation for the project can be found in the “docs” folder.

* The “Capstone Writeup” document includes the documentation about the design process and architecture.
* The “Setup and Configuration” document gives instructions on how to build and deploy the project in a secure environment.
* The user guide gives instructions and screen shots on what is possible and how to interact with the project.
* Inside the Testing folder you will find several documents pertaining to the testing and design of program they include
  + The “Test Results” document, this document talks about the testing plan and results of the different portions of testing
  + The “design iteration” document, this document shows the design sketches that were shown as proposals to the users in the design phase of development.
  + The htmlcov folder, this contains the detailed coverage report of the unit tests on the flask application. In order to view the detailed report, open the “index.html” file inside the folder
* The “model and relationship diagrams” folder includes a few images of the data diagram model.
* The “task one” folder has the documents from the task one portion of this assessment.

# If you wish to spin up your own local copy of the application for evaluation

If you wish to start the code locally you will need both node js and docker desktop installed on your system. The following instructions are a supplemental set of instructions to the “Setup and Configuration guide” to help get a development environment up quickly for evaluation if the live web environment provided above is not adequate.

**First**, run the setup.bat file in the source folder

**Second**, from the source folder run docker-compose build

**Third**, run docker-compose up

The development environment should now be hosted on your local system at “localhost” and the default username is “Test” and the default password is “Test.”

There was a recent update to a sub dependency of the project that causes the database not to be built automatically in the database. If you get errors that the tables do not exist or server problems when trying to sign in locally the database can be built manually by deleting the files and folders inside of source/flask/migrations/versions, then attaching to the back end docker container and running the following commands

1. Python -m manage db init
2. Python -m manage db migrate
3. Python -m manage db upgrade
4. Python -m manage create\_admin

Then stop the containers then restart them with the `docker-compose up` command from the source folder