**Bulldog Financial**

This is a project for the Senior Capstone Course at Bowie State University (COSC-480). It is a simple implementation of Node.js (using express as middleware), HTML (front end), and MySQL (backend), and presents basic web pages that allow user data to be stored. Future implementations would migrate the local MySQL database to AWSRDS to allow for remote connections.

Instructions for Installation

1. Create a directory titled **BulldogFinancial** and do

**git clone https://github.com/SeanLWalkerJr/BulldogFinancial.git**

1. You must install [MySQL](https://dev.mysql.com/downloads/mysql/) and [MySQLWorkbench](https://downloads.mysql.com/archives/workbench/). During the installation of MySQL, you may be provided a password for the initial **root user**. Store these credentials as they will be used to connect to your server. Start your MySQL server, and in Workbench set up a new connection with the following settings:A screenshot of a computer

   Description automatically generated with medium confidence

If you are prompted to enter the password of the root user, enter the password (if you were provided one) and press enter. If you were not provided a password, you can simply press enter.

1. When connected to your instance, go to the **Administration** tab, and select **Data Import/Restore.** Select the **Import from Dump Project Folder** option, and select the directory for this project, which contains the *bulldogfinancial\_users* dump file. Make sure **Dump Structure and Data** is selected, then start the import:

A screenshot of a computer

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1. Now, click on Users and Privileges. Add an account with the login name ***bfadmin*** and the password ***password***.

Graphical user interface

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1. Click Schema Privileges, then Add Entry. Select the *bulldogfinancial* schema that was imported and press OK.

Graphical user interface, application

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1. Give the bfadmin the following privileges to the bulldogfinancial schema, and Apply:

A screenshot of a computer

Description automatically generated with medium confidence

With the mysql server running and schema imported, the backend is now set up.

1. In your terminal, navigate to the directory in which this project is in. Run the **npx nodemon app.js** command, and you should see the following:

A computer screen with a blue background

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This means that the express app established a connection to the database, and is now listening for requests.

In your browser, enter <http://localhost:3000/>. The home page of the app should appear, and the app is now running.

You can test the log in functionality immediately with the credentials:

Email: [waynecarter@gmail.com](mailto:waynecarter@gmail.com)

Password: password

The landing page will then appear:

**A screenshot of a computer

Description automatically generated**

From here, you can click View Balance, and you will be brought to the View Balance Page:

**A screenshot of a computer

Description automatically generated**

You can also choose to log out and view the sign up page:

**A screenshot of a computer

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