**Project Repository**

The complete project, including both the backend and frontend, is available on GitHub at the following link:  
[**https://github.com/dhruvil267/StartUpFuel.git**](https://github.com/dhruvil267/StartUpFuel.git)

To clone the repository, run the following command in your terminal or command prompt:

bash

git clone https://github.com/dhruvil267/StartUpFuel.git

**Backend Setup Instructions**

1. Navigate to the Backend folder in the cloned project.
2. Create a file named .env inside the backend folder.
3. Paste the following environment variables into the .env file:

NODE\_ENV=development

PORT=3000

JWT\_SECRET=your\_jwt\_secret\_key\_here\_change\_in\_production

DB\_PATH=./database/investor\_dashboard.db

AWS\_REGION=ca-central-1

AWS\_S3\_BUCKET=startupfuel-reports-bucket

**Frontend Setup Instructions**

1. Navigate to the Frontend folder in the cloned project.
2. Create a file named .env.development inside the frontend folder.
3. Paste the following variables into the .env.development file:

VITE\_API\_BASE\_URL=http://localhost:3000/api

VITE\_APP\_NAME=StartupFuel

VITE\_APP\_VERSION=1.0.0

**Running the Project Locally**

To run the project on your local machine, follow the detailed steps mentioned in the README.md files located inside both the Frontend and Backend directories.

**Live Project Access**

**The project is also deployed on AWS. You can access the live version at:  
[** [**https://d25ug8rmdot9vm.cloudfront.net**](https://d25ug8rmdot9vm.cloudfront.net/) **]**

**Use the following credentials to log in:**

* **Email: demo@startupfuel.com**
* **Password: demo123**

**Demo User Information**

**This demo user account comes preloaded with some assets and an existing cash balance. You can also create a new user from scratch if you'd like to start fresh. A new user will receive an initial cash balance of $100000, which can be used to purchase assets.**

**Dashboard Overview**

**In the Dashboard, you can view key portfolio metrics, including:**

* **Total Portfolio Value**
* **Day’s Change**
* **Total Number of Assets**
* **Cash Balance**
* **Portfolio Performance Chart**
* **Asset Allocation Chart**
* **Recent Transactions**
* **Downloadable Reports**

**Dashboard Data**

**The Day’s Change value and the Portfolio Performance chart on the dashboard are currently generated using random data from the backend.**

**Every time you reload the screen, these values update to new random values rather than reflecting real-time portfolio performance.**

**Portfolio Screen Features**

**The Portfolio screen allows you to buy or sell assets. Currently, only five stocks are supported in the demo version.**

**For each stock, you can:**

* **View the percentage of your current holdings**
* **Click Buy or Sell Asset to initiate a transaction**
* **Enter the number of shares and a custom price (limit order style, similar to real trading apps)**
* **Set the current market price and calculate estimated profit or loss**
* **You can also search for specific asset with its symbol to see it in your holdings**
* **Once you buy an asset, the equivalent amount is deducted from your cash balance. You can view this deduction immediately from your cash balance**

**Important:  
You cannot sell shares that you do not currently own. All sell actions are limited to the number of shares available in your portfolio.**

**Transactions & Investment Tracking**

**The Transactions page displays the last 10 buy/sell activities. You can search by asset name or filter transactions with buy and sell entries.**

**You can also see total transactions, your net investment, which is calculated as: Total Buy Price – Total Sell Price (This helps you understand how much money is still invested), buy and sell orders.**

**If we have more than 10 transactions we show only recent 10, we can see more with pagination implementation but because of lack of time I didn’t implemented.**

**Reports Screen**

**In the Reports screen, you can view and download three different reports.**

**These reports are fetched directly from a pre-signed URL of an S3 bucket, where all reports are securely stored.**

**You cannot download the reports locally because accessing them requires AWS access credentials (Access Key and Secret Key), which are private and not included in the GitHub repository for security reasons. Therefore, the report download functionality can only be tested in the live demo version of the application.**