E-Commerce App

Sponsor : DucieClub LLC
Teams : The ProjectBreakers and Team Pasa
**Group Members : Bibek Gyawali, Abdullah Almalki, Anwesh Baisyat, Raj Gautam, Sunder Upreti,
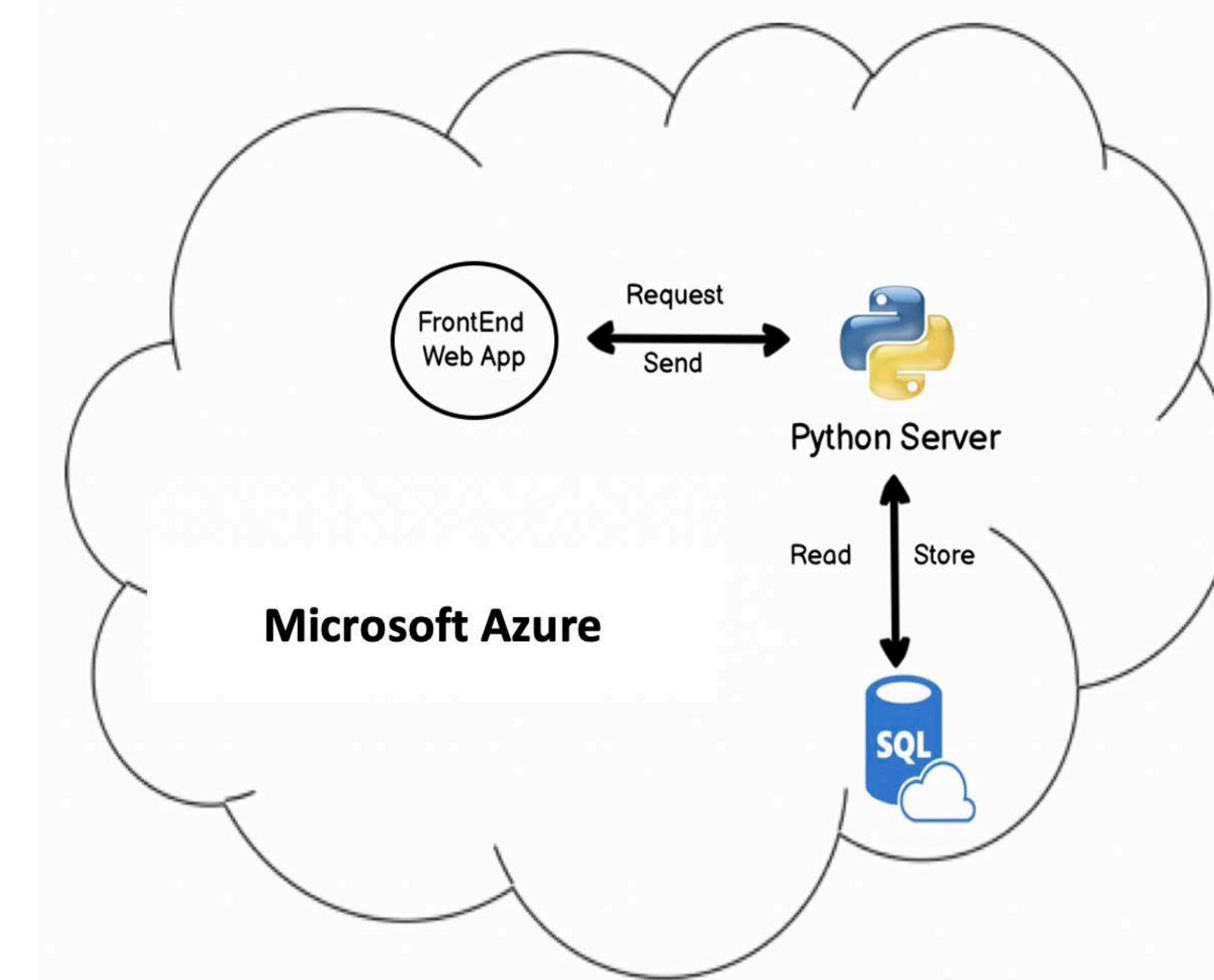Suraj Bisural, Sahil Patel, Aayush Khadka, Pranav Shrestha, Santosh Pradhan**

Project Overview

- DucieClub is an Ecommerce web app bringing transparency to store pricing and inventory availability. Developed to make shopping more efficient, time saving, hassle free and find the best deal customized to user geography and preference. This helps during the pandemic when it is harder for people to shop for their daily essentials due to store running out of items, inaccurate store data, or prices being hiked.

- A user can create a free account to use basic DucieClub services. If a user is searching for a particular item, the app will provide availability, compare pricing, and show the user results to match their needs. Users can directly visit that store instead of visiting multiple stores. There, he/she can post other products or deals beneficial to other users looking for the same product. Different membership levels offer benefits and tools to save and make money.

- This is a two-semester project. For the first semester, we created basic requirements such as user accounts, memberships, extending to tips receiving and posting/retrieving products.

Features

- A user can sign up for a free account with their preferences on retail, grocery, and gas stores.

- A user can refer other users and also share the app via social media.

- A user can create, change, and retrieve their account credentials.

- A user can choose and pay for different levels of memberships with unique benefits.

- A user can receive fuel tips.

- A user can receive travel tips.

- A user can scan a product and report real time availability, price, and store information.

- Users can retrieve other users data for a particular item for the lowest price/best value.

- A user can interact with DucieClub Social media.

- A user can post details from the various stores.

- A user can be alerted by admin regarding information on their account, account updates, and additional tips that match their profile preferences.

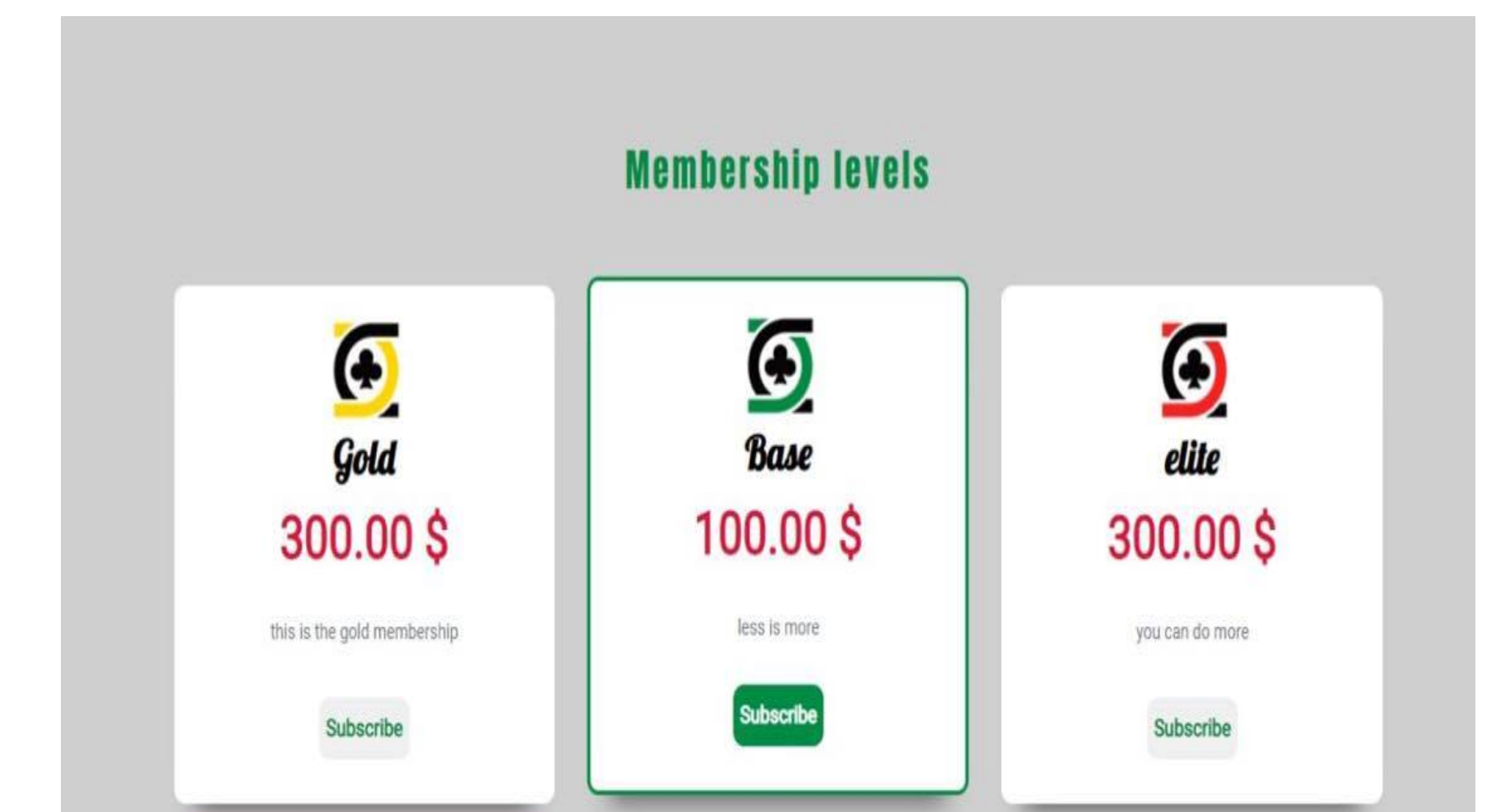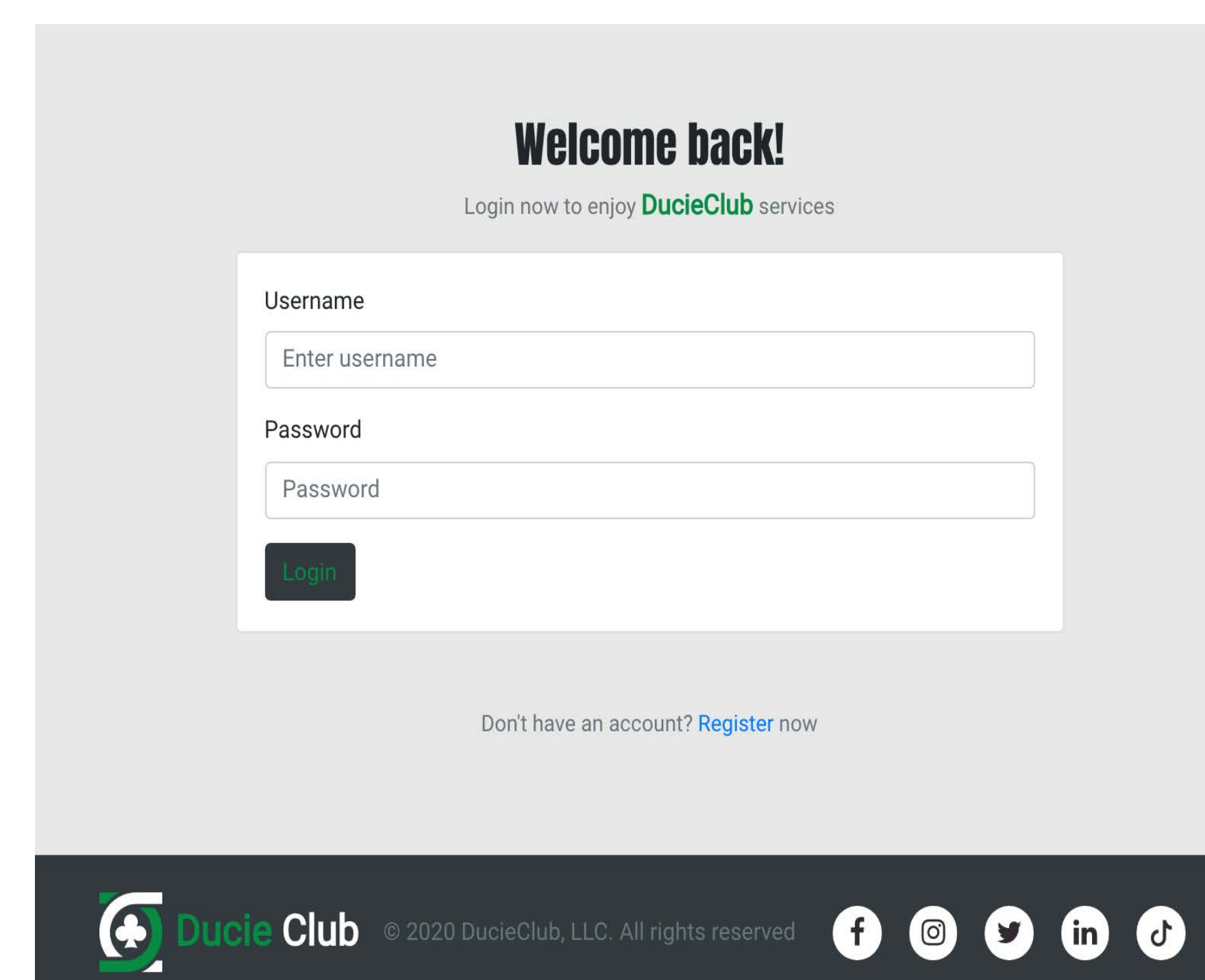- A user's activity level will be tracked and rewarded.

Design

Tech Stack

- React JS
- Node JS
- Bootstrap
- HTML, CSS, JavaScript
- Django (Python Based Framework)
- Microsoft Azure & SQL Database
- Email JS to send out emails
- Braintree for Payment Portal

Screenshots

Testing

Testing Environment
- Web Browser with Javascript Enabled to run the web application
- React Frontend on Port 3000
- Django Backend on Port 8000
- Test EmailJS Account
- Local SQLite Database
- POSTMAN App to send Mock data to backend and check the response

Tests Performed
Every feature listed were tested and the status was tracked through the sprints. There were two different types of testing:
- Black Box Testing
  - To test the functional requirements of the system.
- White Box Testing
  - To test the structure and error handling/reporting of the code.