

DEPARTMENT OF COMPUTER SCIENCE,
COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY

PROJECT PROGRESS REPORT-1

-E-commerce site for visually impaired people

13th March, 2023

Submitted to
Dr. Bijoy A. Jose

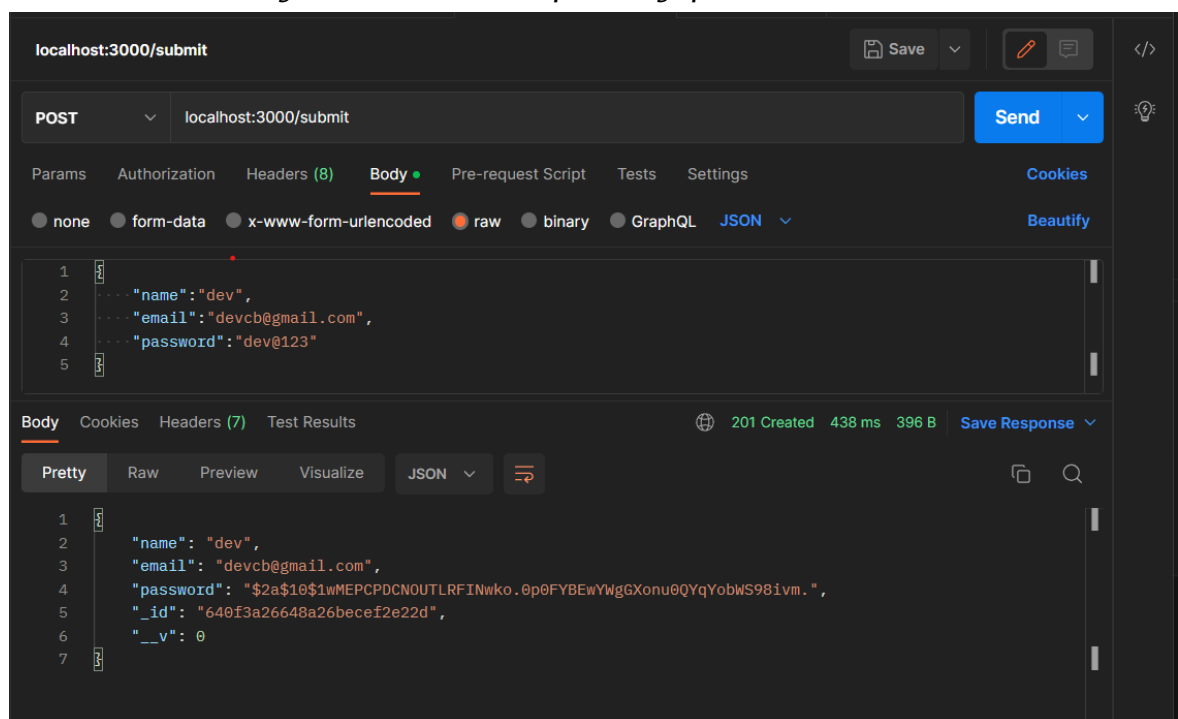
By
Abhin P T
Sona Rosa Babloo
4th semester
Integrated MSc CS

1. Sprint summary

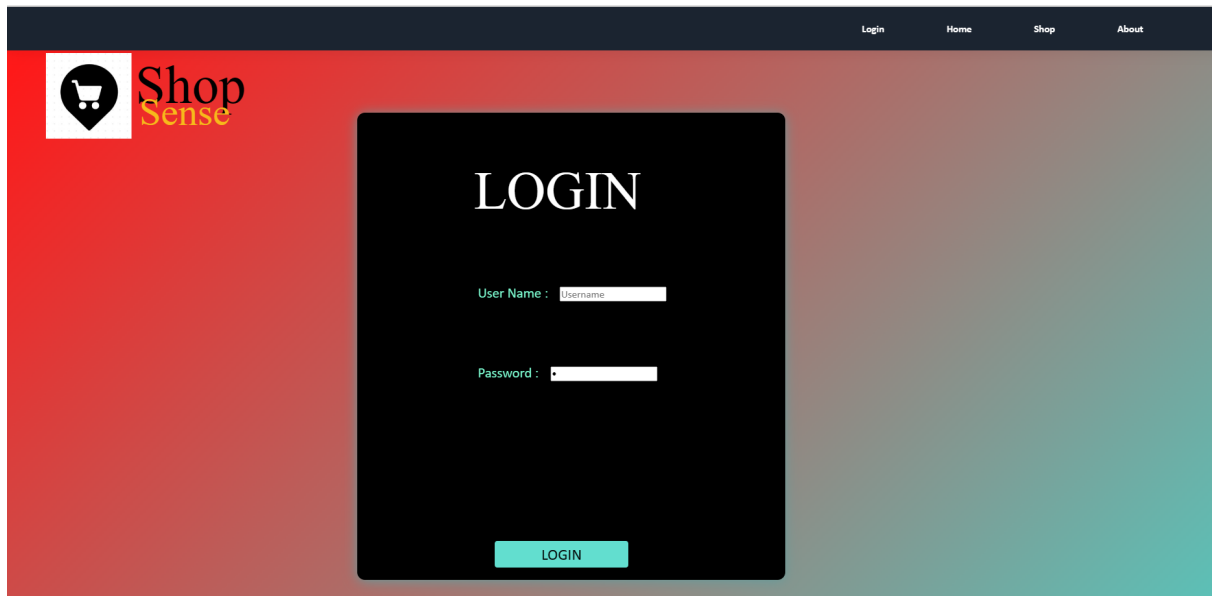
i. 1st Sprint from 25th Feb - 3rd March

We want to learn the fundamentals of the technology we use, which is react js for the front end and node js for the back end, during the first sprint. Sona will handle the front end while Abhin will handle the backend as part of our team's task division. Since learning the fundamentals was a challenge for us, we kept things simple during the first sprint.

In the first sprint, we intended to complete the sign-up API and the design of the login page. We made it that far in our attempts to connect the server and database. We also made the amount we had budgeted for the first sprint at the first sprint meeting. Both the sign-up api and the UI implementation of the login page have been finished. Other unfinished tasks connected to the user story, such as enabling users to log in, create accounts, and access the site's features, are moved to the backlog and added to the upcoming sprint.



Signup API

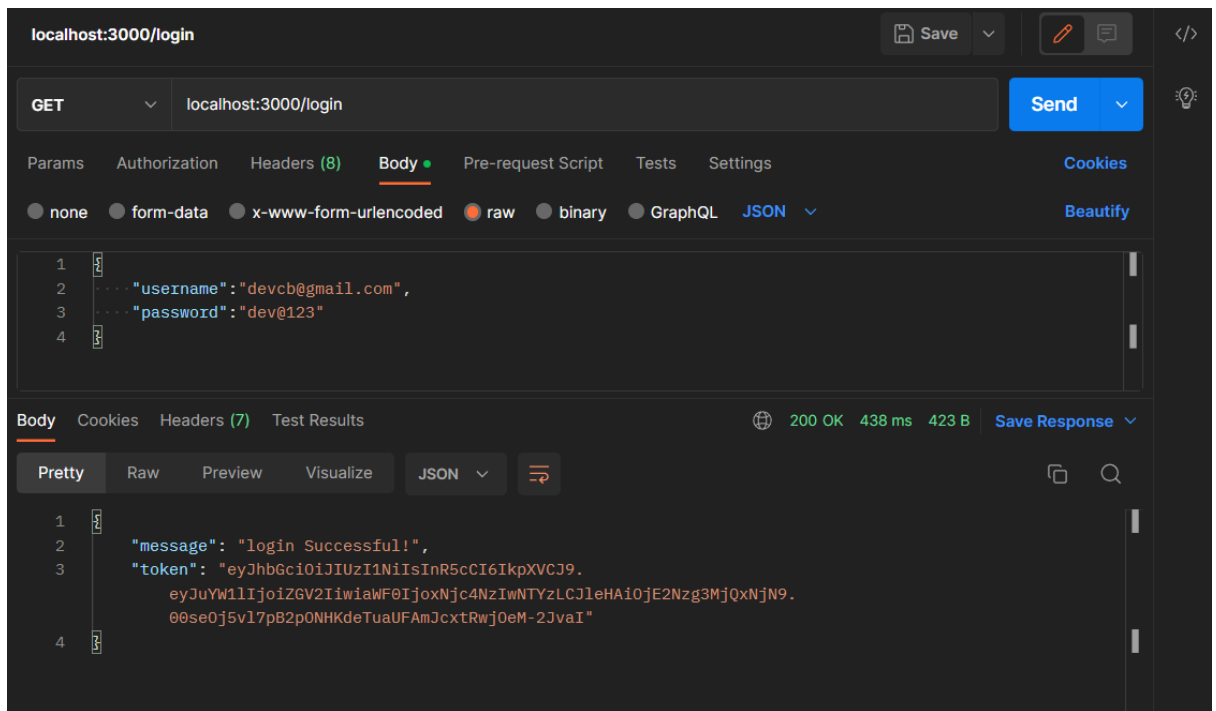


Login UI

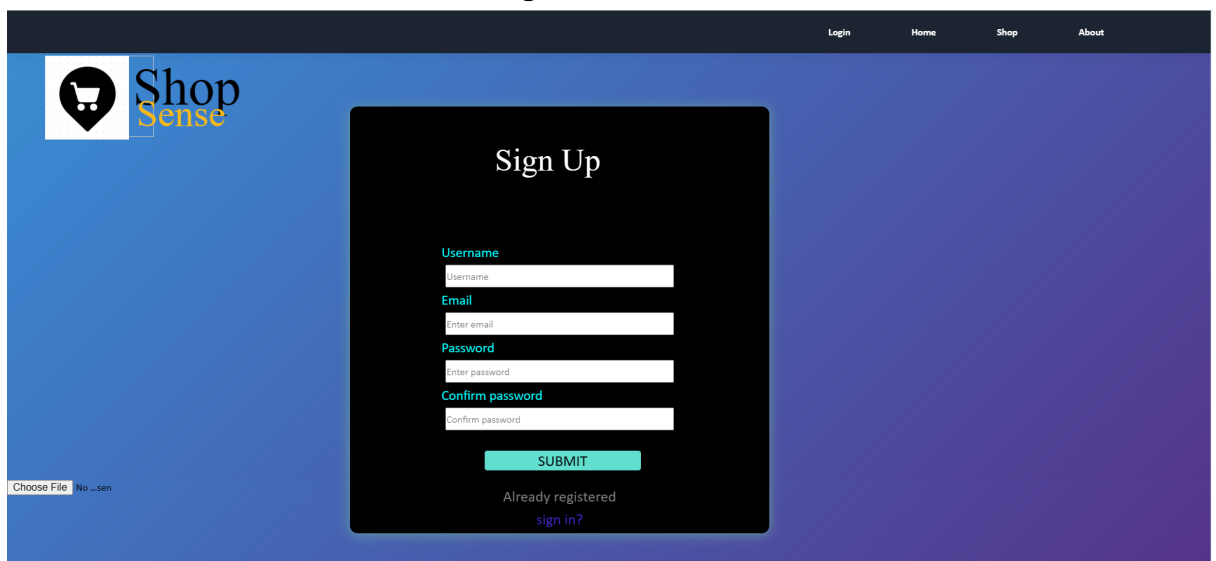
ii. 2nd Sprint from 4th March -10th March

Due to a bug in the frontend during the second sprint, we decided to focus only on the Signup API and Signup page. The local database was converted to an online server database as our first change (mongoDB atlas cloud). To increase security and privacy, we encrypted the password and stored it in the database rather than storing it in plain text. Additionally, a login API was developed to validate users based on their login credentials and to generate tokens for valid credentials or to return the appropriate message in the case of invalid credentials. The token is functional for an hour.

Additionally, we created a Login and Sign In UI for the front end. However, connecting the two pages was broken because the react js router discovered an import error. So, for the presentation in the weekly meeting, we only created two UIs separately and are yet to complete the connection part for the following sprint.



User login API



Sign Up UI

We established Login API, Login UI, Sign up API, Sign up UI, and we encrypted the password component to ensure a secure website, therefore in total, we can say that we completed the duties specified by ourselves each week. Both sprint tasks have been successfully updated on the Jira website, and the code has been committed to the git repository.

2. User story

1.1. Administrator

- Log into the e-commerce site, create an account, and access the site's features.
- Audio assistance enabling option.
- Browse through the products on the e-commerce site.
- Add desired products to the cart on the e-commerce site.
- Add new products to the e-commerce site.
- Add a new category to the e-commerce site.
- Update existing products on the e-commerce site.
- Manage customer accounts and orders on the e-commerce site.
- Log out

1.2. Customer

- Log into the e-commerce site, create an account, and access the site's features.
- Audio assistance enabling option
- Browse through the products on the e-commerce site.
- Add desired products to the cart on the e-commerce site.
 - Leave ratings and reviews on the products on the e-commerce site.
- Place order
- View their order history on the e-commerce site.
- Share product details and recommendations with friends and family through social media platforms from the e-commerce site.
- Log out

3. Planned tasks

- Create server
- Connect server and database
- UI implementation - Login page
- Create sign up API
- Password encryption and storing
- Create login API
- UI implementation - Sign Up page
- Connect mongoDB atlas(database server)
- Create new user by storing details
- Login successfully while login details are matches the data in database otherwise fail
- UI implementation - Home page
- UI implementation - Welcome page
- UI implementation - Product page

- UI implementation - Cart page
- Add new product by entering details by admin
- Admin can update product details
- Display products or items
- Place an order successfully
- Admin can add new category
- Display all existing category
- Option for enabling audio assistance
- Playing audio description about each product
- Implementation of keyboard navigation
- User can log out successfully

4. Github link of our project

We have created a github repository and have joined collaboration works committed to the following repository.

Here we have pushed all the work till now that is from the first SRS document , Design Document and all sprint tasks we have done till now.

<https://github.com/abhin2002/e-commerce-site-for-visually-impaired-People>

5. Testing plan document from test team

This is the test document prepared for our project by the Testing team (Noble and Omal).

Sl no.	Test cases	Input	Expected Outcome	Actual Outcome
1	There should be a login page for every user to make the searching, order, and transaction to be personalised backed on their physical incapability (Privacy)			
2	Can a visually impaired user navigate through the site with the help of audio assistance			
3	Is the user able to add required items to the cart for purchase and place order			
4	Can a customer rate and review the items on the e-commerce website			
5	Can the admin add, update, and delete Items on the			

	website			
6	Is the admin able to manage and provide efficient customer service			
7	Is the page responsive and interactable in all formats of screen size			
8	The profile should be easily navigable and portable from one page to another page by keyboard keys			
9	The disabled personality based website facilities should not interfere with the functionalities of normal user facilities			
10	Is the audio description of different products should be concise enough for users to understand the metrics of the item			
11	Are different users able retain there items in cart even after logging out in a session			
12	Is a product followed by correct image			
13	Is a product followed by correct audio set			
14	Are the typing requirements following with audio message			
15	Are different users able to write and view reviews			
16	Are admins able to manage their product stock accordingly			
17	Are customers able view product ratings and post ratings			
18	Is the proper bill with all items and there quantity and price generated			
19	Are customers able to get the receipt of their purchase			
20	Are customers able to alter cart inputs all time before getting receipt			