DEPARTMENT OF COMPUTER SCIENCE,
COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY

PROJECT PROGRESS REPORT-1

-E-commerce site for visually impaired people

By

Abhin P T
Sona Rosa Babloo
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Integrated MSc CS

1. 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

2. 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)

3. Sprint summary

3.1. <u>1st Sprint from 25th Feb –3rd March</u>

In the first sprint, we want to study the basics of the technology we use, that is react js as frontend and node js as backend. Our team divided the task as the backend will be done by Abhin and front end will be done by Sona. It was a bit hard task for us to know the basics so at the first sprint we kept quite basic.

We planned to do the Sign up API and Login Page UI design in the first sprint. We tried to connect the server and database and made it through that much. And at the first sprint meeting, we made as much as we planned for the first sprint. Though there were a lot of elements to be added in the frontend part, the backend part was fully done as planned for the sprint.

3.2. <u>2nd Sprint from 4th March -10th March</u>
In the second sprint, there was a bug in the frontend part so it made us decide to do only the Signup API and SignUp page.
*   First difference we made was changing the local database to an online server database(mongoDB atlas cloud).Also instead of storing the password as it, we encrypted the password and stored it in the database for increasing security and privacy. Also we created a login API to validate the user based on the login credentials and generate a token for valid credentials otherwise return appropriate message.The token is valid for one hour.*
*   And in the frontend part we made both Login and Sign In UI , there was a bug in connecting both pages as the router in react js found some error in importing. So we only made the two UI separately for the presentation in the weekly meeting. And made the connection part for the next sprint.*

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
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