

M. Sc. Computer Science (2021-2023)

E-Commerce Project

Semester 3 (Sept-December 2022)

By Lalit (22)

URL of the Github : github.com/khulalit/Ecommerce_project

E-commerce Project proposal

Theme (HTML, CSS), UI/UX design template and selling website.

Features :

(i) Must have

- Login and Register
- Three Roles Customer(end user), User (Seller) and Admin (Owner)
- Register as Seller and Buyer
- Register as a seller
- Add Product ie (for Seller)Theme , Template and Design (Figma , XD, Sketch etc.)
- Validation of Product ie Theme , Template and Design (Figma , XD, Sketch etc.)
- Explore Themes with categories
- Add to Cart
- Dashboard for customer and seller with their full details
- Payment (Card, Phone based etc)
- Record of Transaction

(ii) Good to have

- Personalized recommendations
 - Support from the seller
-

Tech Used

- BankEnd
 - Node js
 - Express
 - Mongoose
 - Database
 - MongoDB or firebase
 - Storage
 - AWS or Google or Mega
 - FrontEnd
 - React js
 - CSS
 - Tailwind
 - SASS
-

DataBase Details

Note : The project will be using MongoDB for database which NoSql. So the Tables/collection (in case of MongoDB) listed below, which are giving us which info we are storing. Actual Implementation may be little different.

Collections :

For user auth using Auth0 for google ,github and other services signing. Using this because it is important to connect it with GitHub because targer customers are developers.

Users Collection

- User id(email)
- Name
- Auth0 ID
- Role

Theme Provider (Seller)

- Provider id(email)
- Name
- Auth0 ID
- Role

Transactions

- Transaction id
- Bought by(buyer id)
- Seller (seller id)
- Date bought
- Amount
- Payment id
- Date delivered
- Ratings
- Review

Store

- Product id
- Seller
- Price
- Product images and gifs videos and demos(a web page for show the demo , will be build using,iframe)
- Product information
- Reviews

Payments

- Payment id
 - Type (Debit card upi etc paypal etc)
 - Timestamp
 - Amount
 - Transaction id
-

APIs

Login -
 /login
 username and password - Post

Register-
 /register - Post
 if using google or github or
 other services then provide that otherwise
 username email create password

Update Profile
 /update-profile/:userId - Post

Product list -
 /products/themes?page - get
 top themes (in pages)
 /products/design?page - get
 top design (in pages)
 /products/template?page - get
 top template (in pages)
 /product/sellerid?productid - get
 particular product from a seller

Buy -
 /buy - post

Review
 /postreview - post
 /review/:productid?page - get
 gives the reviews of the product in pages.

Note : These API are at very starting point , during project more API might be added.

Work done on 14th October 2022