

E-COMMERCE WEBSITE

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1. INTRODUCTION

1.1 PROJECT PURPOSE

The purpose of this project was to build a fully functional e-commerce website that allows shoppers to view a catalog of products, add to check and then make payment through checkout. Our project is designed for a competitive market, ensuring top-tier performance and user experience

1.2 MARKET SELECTION

Our e-commerce platform demonstrates the principles of a competitive market. Customers have access to a wide range of very similar goods that compete based on factors such as quality and customer service instead of product differentiation.

1.3 FEATURES OVERVIEW

- Secure authentication and user management powered by Firebase.

- Streamlined shopping experience with Cart and Wishlist functionalities.
- Impeccably responsive design catering to diverse devices and screens.
- Seamless multi-language support (English and Arabic).
- Efficient product search functionality for enhanced user experience.
- Product Listings: Displays products with detailed descriptions, pricing, and categorization.
- Payment Integration: Simulates payment processing functionality.
- Admin Dashboard: Include features for managing products, user accounts, and order statuses.

2. PROJECT ARCHITECTURE

2.1 TECHNOLOGY STACK

- Frontend: React, Vite, Tailwind CSS, React Router, Context API
- Backend: Firebase
- Database:
- Version control: Git
- Hosting:

2.2 FOLDER STRUCTURE

/project_work

/node_modules

/public

/src

/assets

/Auth

/components

/contexts

/pages

/App.jsx

/index.css

/Main.jsx

/routes.js
/eslint.config.js
/gitignore
/index.html
/package-lock.json
/package.json
/postcss.config.js
/README.md
/tailwind.config.js
/vercel.json
/vite.config.js

3. SETUP INSTRUCTIONS

3.1. Prerequisites

- Node-js must be installed on your device
- Git must be installed on your device

3.2. Installation guide

1. Clone the repository: `https://github.com/Greenman225/209_Project.git`
2. Navigate to the project folder: `cd project_work`
3. Install dependencies: `npm install`
4. Install the i18next for internalization: `npm install i18next`
5. Install react-i18next for react integration with i18next: `npm install react-i18next`
6. Install flowbite: react for UI components: `npm install flowbite-react`
7. Start the development server: `npm run dev`
8. Open the website at <http://localhost:5173/>

4. USER GUIDE

4.1 How to use

1. Registration and login

Click the “sign up” tab to create an account and the click on the “login” tab to login using your credentials.

2. Shopping

Browse different products available on the website. Use the filters available on the home page to browse by categories. Alternatively, you can use the search button. Add items to cart if interested.

3. Checkout

To checkout, click on the cart icon above the page and then click the “process to checkout” button. You can always go back to view more products by clicking on the “return to shop” button.

GROUP MEMBERS

Emmanuel Nunoo Mensah	22068431
Michael Anarfo	22052414
Ahiati Emmanuel	22224113
Matthew Cecil Kwesi Yalley	22105664
Ewura Abena Tweneboah Antwi-Bosiako	22152953
Samuel Dagbo	22050575
Asante Emmanuella Baaba	22166686
Kelvin Tetteh K.	22017033
Joseph Gyimah	11116307
Genevieve Gomelesio	22012665