

# E-commerce Project Journey

- MOHAMED MOSSAD
- KEROLLOS HASSIB
- KARIM EBRAHIM
- AHMED SHERIF
- ABDELRAHMAN MOKHTAR

# E-commerce Project Journey

## Introduction

We are a team of five members: **Mohamed Mossad, Kerollos Hassib, Karim Ebrahim, Ahmed Sherif, and Abdelrahman Mokhtar**. We chose to work on an **e-commerce project** as our main project in frontend development. Our goal with this project was to challenge ourselves by building a fully integrated solution that could enhance our skills and serve as a strong addition to our professional portfolio.

## The Idea and How It Started

We began this project after several discussions about the type of project we wanted to work on. We chose to build an **e-commerce platform** for a few key reasons:

- The large scope compared to other projects.
- The variety of challenges it would present at both the design and coding levels.
- The significant professional value it would offer, as building a complete online store from scratch would help us enhance our skills in design, development, and problem-solving.

## Early Stages

Initially, we conducted extensive research on different e-commerce concepts. We analyzed several similar projects to gain a clearer vision of what we wanted to achieve. Once we had defined some core ideas, we moved into the planning and design phase.

## Sketching

We started by creating initial sketches for the interfaces we wanted to build, including both low and high-fidelity wireframes. This stage was crucial because it laid the foundation for the rest of the project.

## Figma

After completing the preliminary sketches, we moved on to designing the interfaces using **Figma**. We developed consistent, comprehensive user interfaces by utilizing color schemes, fonts, and other design elements that reflected our vision of a professional online store.

## Development Phase (Coding)

Once the designs were finalized, we moved into the development phase, where we utilized:

- **HTML** to build the basic structure of the pages.
- **CSS** to style the overall look and feel of the interfaces.
- **JavaScript** to add interactivity and dynamic functionality.
- **Bootstrap** to help make the website responsive across all devices.

## Challenges

We faced several challenges during this phase, including:

1. **JavaScript:** We encountered difficulties with certain dynamic functions, such as adding items to the shopping cart and updating real-time data.
2. **Responsive Design:** Making the website responsive on all devices (phones, tablets, and large screens) was a significant challenge, especially when it came to aligning and formatting interactive elements.
3. **Building a Complete Project:** The biggest challenge was managing the development of a large-scale project that required coordination and integration across different aspects.

## Lessons Learned

- We learned the importance of thorough planning and documenting each phase of the project.
- We enhanced our problem-solving skills by tackling coding issues and finding innovative solutions.
- We developed a better understanding of **User Experience (UX)** and how to improve it.

## Future Plans

After completing the project, we plan to continue improving it by adding more features, such as an advanced search system and an order management section. We also aim to work on larger projects in the future to further expand our knowledge and skills.