



BuyMe

ALX-FINAL PROJECT PRESENTATION





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For more info:

You can visit our project repository:
<https://github.com/watch14/E-Com-Project-Back-end>



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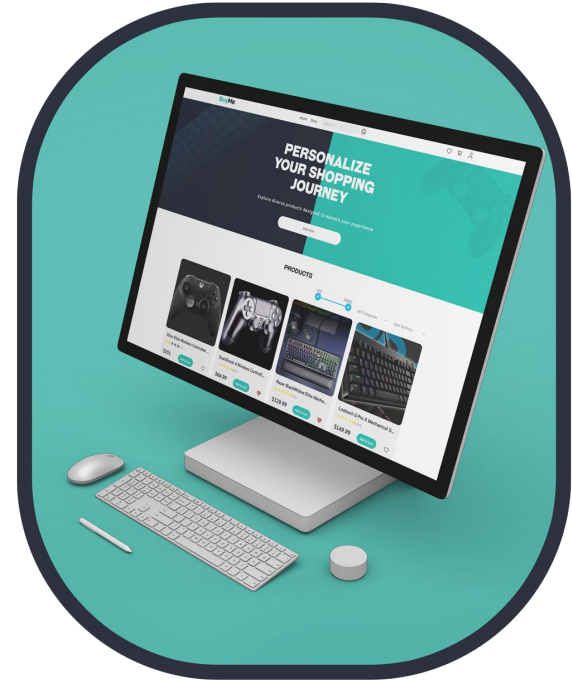
Introduction





Introduction

BuyMe is an e-commerce platform dedicated to gamers and tech enthusiasts. Our website specializes in offering a wide range of gaming materials, including keyboards, mice, monitors, and PCs. Designed with a user-friendly interface, BuyMe aims to provide a seamless shopping experience for all gaming needs.





Introduction of the Team Members

**Maamoun
Chebbi**

Build APIs, manage authentication, and implement error handling.

**Iheb
Chaoued**

Design schemas, handle CRUD operations and ensure data integrity.

**Seif Eddine
Ben Othman**

Develop components, integrate APIs, ensure responsive design.





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Architecture & Technologies



— Overview of the Project Architecture and Technologies Used:



Frontend: Angular

- Angular: For building the dynamic and responsive user interface.
- TypeScript: Enhances code quality.
- HTML and CSS: For structuring and styling web pages.

Backend: Node.js with Express

- RESTful API: The backend is built using Node.js and Express, providing a robust RESTful API for handling client requests.
- Node.js: Enables high-performance server-side applications.

Database: MongoDB

- MongoDB: Known for its flexibility and scalability.

File Storage: Firebase

- Reliable storage: Firebase is used for storing product images.

Payment Gateway Integration

- Stripe: Handle secure online transactions.

Development Tools

- Visual Studio Code: A source-code editor for writing and editing the codebase.
- Postman: For testing and debugging API endpoints.
- Swagger: For designing, building, and documenting RESTful APIs.



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Development Report





Successes:

User-Friendly Interface

Successfully implemented a responsive and intuitive user interface using Angular, ensuring a seamless shopping experience across various devices.

Robust Backend

Developed a reliable RESTful API using Node.js and Express, providing efficient handling of client requests.

Efficient Data Management

Employed MongoDB with Mongoose for flexible and scalable data storage and management.

Challenges:

Complex Data Relationships

Managing relationships between data entities in MongoDB was challenging, but a lot of schema validation helped ensure data consistency.

Lessons Learned:

Effective Collaboration and Agile Development

Emphasized the importance of communication and collaboration within the team, leveraging agile methodologies for efficient development and iterative improvements.



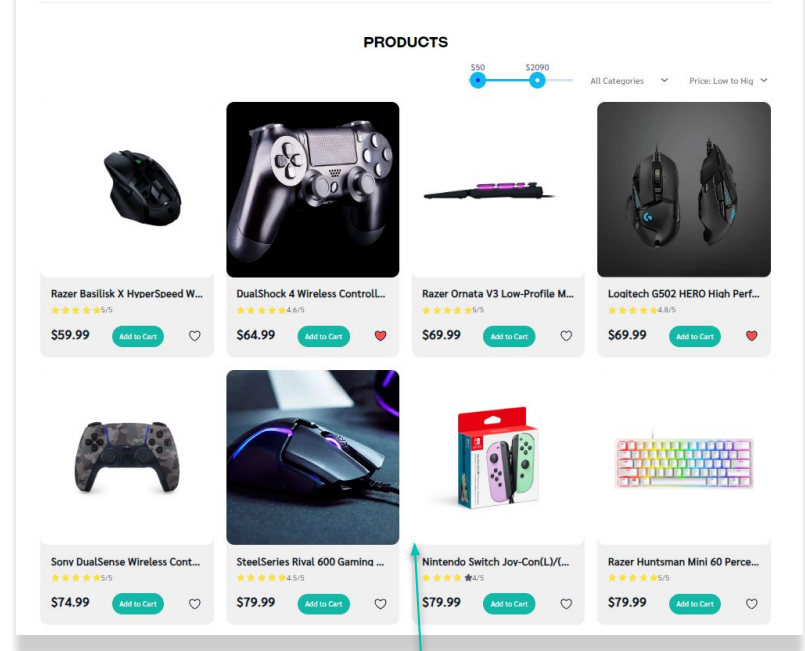
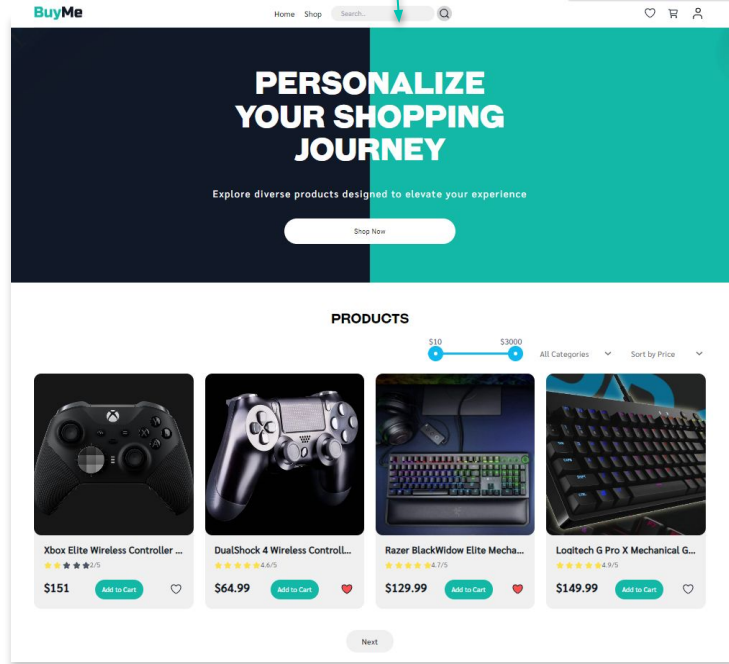
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App Overview



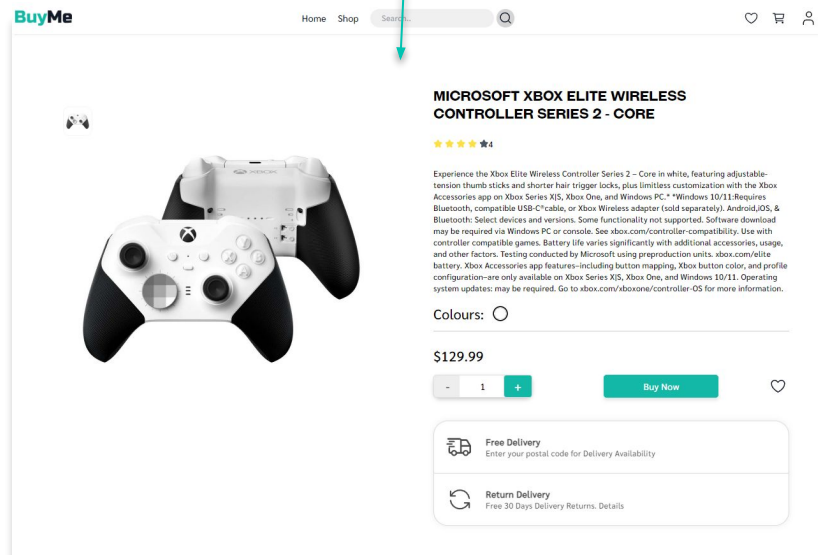


Home Page

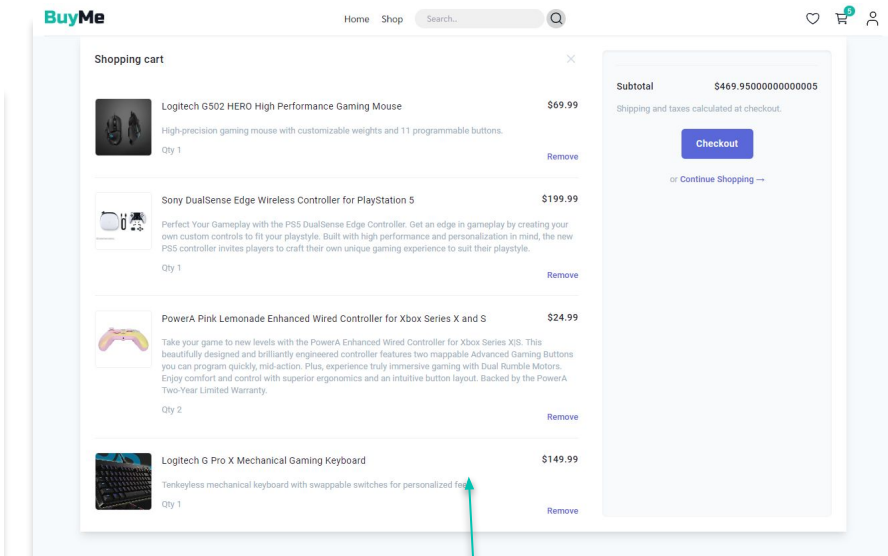


Shop Page

Product Page



Home Page



Cart Page



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conclusion





Conclusion

Developing BuyMe was rewarding and challenging. Using Angular, Node.js, Express, MongoDB, and Firebase, we built a user-friendly e-commerce platform for gaming materials. We overcame data management and performance issues through teamwork and agile methods.

We learned the importance of continuous learning and team communication.

BuyMe improved our technical skills and showed the value of teamwork in software development.





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Special Thanks





Special Thanks to ALX

We would like to extend our heartfelt thanks to ALX for providing us with this incredible learning opportunity. The guidance, resources and support from ALX have been invaluable in the successful completion of our BuyMe project. This experience has significantly contributed to our growth as developers and has prepared us for future challenges in our careers.

Thank You :)