Tech Bazaar - Graduation Project Proposal

Motivation:

The Tech Bazaar project aims to create a robust and efficient e-commerce platform for selling electronic products. The project was chosen because of the growing demand for secure and scalable online marketplaces. Our solution will enhance the shopping experience, streamline transactions, and ensure secure payment processing.

Prototype Description:

Tech Bazaar will be developed as a web-based platform using the MVC architecture in .NET. The platform will provide user authentication, product listing, order management, and payment integration.

Team members:
- Abdelrahman Ahmed.
- Mustafa Elsharkawy.
- Taha Anwer.
- Osama Abdelgawad.

Technical Specifications:

- Backend: ASP.NET Core MVC

- Database: Microsoft SQL Server

- Frontend: HTML, CSS, JavaScript, Bootstrap

- Authentication: ASP.NET Identity
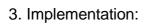
- Payment Integration: PayPal / Stripe

- API Support: RESTful API

Project Plan:

1. Planning:

- Define project scope and requirements.

- Identify necessary tools and technologies.

2. Design:

- Create database schema using SQL Server.

- Design UI/UX wireframes.

- Plan API endpoints and system architecture.

3. Implementation:

- Develop the backend using ASP.NET Core MVC.

- Implement authentication and authorization.

- Integrate payment gateways.

4. Testing and Evaluation:

- Conduct unit and integration testing.

- Perform user acceptance testing.

- Optimize for performance and security.

5. Deployment:

- Deploy the platform on Microsoft Azure or AWS.

- Ensure database and security configurations are set.

GitHub Repository Link:

https://github.com/abdoAhmed704/TeckBazaar