Graduation Project proposal

Digital Egypt Pioneers

Software Development - React Frontend Web Developer

Supervisor(s):
> **Eng Ahmed Hatem**

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Team Leader:
> **Eng Mahmoud Ibrahim**

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Project title (or topic):

Haneedy – E-commerce Website for Handmade Products

Short project description:

Haneedy is an Egyptian e-commerce website that connects local handmade product creators with customers. The platform allows each artisan to create their own mini-shop and showcase products such as accessories, décor, clothing, or wooden crafts. The website provides a simple and user-friendly interface, secure payment methods, and multiple shipping options. The main goal of the project is to support local artisans and provide them with a safe and intelligent platform to sell their handmade products and reach a wider audience.

Objectives:
- Build a responsive and user-friendly handmade e-commerce platform.
- Support local artisans in promoting and selling their crafts online.
- Implement efficient product and order management systems.
- Ensure scalability and high performance across devices.

Tools & Technologies:
- **Frontend:** React.js, HTML5, CSS3, JavaScript.
- **Backend:** Node.js + Express.js.
- **Design:** Figma / Canva / Photoshop.
- **Version Control:** Git & GitHub.
- **Deployment:** Netlify / Vercel / Render.

Key Features:
- Simple and user-friendly interface for customers.
- Mini-Shop creation for each artisan.
- Search and filter by category, price, or best sellers.
- Shopping cart and order management.
- Secure online payment system.
- Order and shipment tracking.
- Profile page for each seller with products and ratings.

Student Name and ID: (maximum 6 students)

Student Name	Student ID	Roles
Mahmoud Ibrahim Elsayed Sobhi	21042972	Home, Shop, Product, Cart Pages
Mohamed Gomaa Elshahat Metwally	21107743	Checkout, Cart Pages
Hashim Elsayed Hashim Eltilaty	21018454	Navbar, Header, Footer Pages
Mohamed Emad AbdAlazeam Ali	21071961	Create Api, Tester
Mohamed Ali El Sayed Ali	21034488	Welcome, Home, Shop Pages
Mohamed Mahmoud Esmail Gohary	21064008	Login/Register Pages

Milestones & Deadlines:

Milestone	Description	Deadline
UI Design Completion	Finalize UI/UX design for all pages (Home, etc)	15 Oct 2025
Frontend Development – Phase 1	Develop core pages(Welcome, Home, Shop, etc)	25 Oct 2025
Frontend Development – Phase 2	Create and connect backend APIs for all features	30 Oct 2025
API Creation & Integration	Test all features, fix bugs, ensure full functionality	7 Nov 2025
Final Deployment & Presentation Prep	Deploy project, prepare slides and presentation	12 Nov 2025

KPIs (Key Performance Indicators):

KPI Category	Indicators	Description
Code Quality & Development	Component Reusability, Code Review, Test Coverage	Maintain clean and modular React components
Performance & Optimization	Page load < 2s, Fast API response	Optimize images & API calls
User Experience (UX)	Responsive on mobile/tablet, Accessibility rating ≥90%	Improve ease of navigation
Deployment & Scalability	99% uptime, SEO score ≥85%	Deployed on Vercel or Netlify
Business & Functional Impact	100% feature completion, <5 open bugs	Smooth checkout and product management

Department Head

(Digital Egypt Pioneers)