# Project Planning & Management

## 1. Project Proposal

Project Title: E-Commerce Website

### Overview:

This project aims to develop a fully functional E-Commerce website that allows users to browse products, add them to a cart, and complete purchases securely. The system will include features like user authentication, order tracking, and payment gateway integration.

### Objectives:

- Develop a user-friendly and responsive platform.

- Implement a secure payment system.

- Provide an efficient product management system for sellers.

- Ensure smooth order processing and tracking.

### Scope:

The project will include front-end, back-end, and database development. It will support multiple product categories, a shopping cart, a checkout system, and an admin panel for management.

## 2. Project Plan

### Gantt Chart

|  |  |  |
| --- | --- | --- |
| Task | Start Date | End Date |
| Requirements Gathering & Stakeholder Analysis | Jan 29 | Feb 4 |
| System Analysis & Design (Use case diagrams, architecture, database design) | Feb 5 | Feb 16 |
| Front-end and Back-end Development | Feb 17 | April 10 |
| Integration of Payment Gateway & Order Processing | April 11 | April 16 |
| Testing and Debugging | April 17 | April 21 |
| Deployment & Final Documentation | April 22 | April 29 |

## 3. Task Assignment & Roles

|  |  |
| --- | --- |
| Role | Responsibility |
| Back-end Developer | Server, database, API, security |
| Front-end Developer | UI design and integration with backend |
| UI/UX Designer | Wireframes and user-friendly interface |
| Tester (QA Engineer) | Testing and ensuring system stability |
| Project Manager | Oversees timeline and team coordination |

## 4. Risk Assessment & Mitigation Plan

|  |  |  |  |
| --- | --- | --- | --- |
| Risk | Probability | Impact | Mitigation Strategy |
| Payment Gateway Failure | Medium | High | Use multiple payment providers as backup |
| Security Breaches | High | High | Implement encryption and secure authentication |
| Performance Issues | Medium | Medium | Optimize queries, use caching techniques |

## 5. Key Performance Indicators (KPIs)

- Response time: Less than 2 seconds for loading main pages.

- System uptime: 99.9% availability.

- User adoption rate: 500+ users within the first 3 months.

- Conversion rate: At least 10% of visitors complete a purchase.

## 6. Contact Information

|  |  |
| --- | --- |
| Contact Type | Details |
| Project Manager Email | [example@email.com] |
| Phone Number | +1 234 567 890 |
| GitHub Repository | https://github.com/Ibrahim-Shabori/Ecommerce-Shoply---DEPI |
| Website Link (if available) |  |