Project Planning & Management

Project Proposal

Overview:

Lexicon is an online bookstore designed to provide users with a seamless book-browsing and purchasing experience.

The website will feature a user-friendly interface, a robust book catalog, a shopping cart, and an admin panel for inventory management.

Objectives:

- Provide a seamless online book shopping experience.

- Offer personalized recommendations based on user preferences.

Scope:

- User authentication (login, registration).

- Book catalog with search & filters.

- Shopping cart & checkout system.

- Admin panel for inventory management.

- User reviews & recommendations.

Project Plan

Timeline & Milestones:

- Requirement Analysis & Planning: Mar 21 - Mar 28

- UI/UX Design & Wireframing: Mar 29 - Apr 8

- Frontend & Backend Development: Apr 9 - Apr 29

- Database & API Implementation: Apr 30 - May 13

- Testing & Debugging: May 14 - May 30

- Deployment & Maintenance: May 31 - Jun 5

Deliverables:

- Fully functional e-commerce website for books.

- Admin panel for inventory and user management.

Resource Allocation

- Frontend Developers: HTML, CSS, JavaScript

- Backend Developers: .NET Core, SQL Server

- Project Manager: Oversees project execution and risk management.

- QA Testers: Ensure system functionality and performance.

- Marketing Team: Handles SEO and customer engagement.

Task Assignment & Roles

- Marvel Reda - LINQ

- Merna Hany - SQL

- Roaa Atif - C#

- Amira Ashraf - Frontend Development

- Ala Samir - MVC

Risk Assessment & Mitigation Plan

Potential Risks & Solutions:

1. Security threats (High) - Implement SSL, secure authentication, and data encryption.

2. Performance issues (Medium) - Optimize database queries, caching mechanisms.

3. Scope creep (High) - Define clear deliverables and track changes using Agile methodology.

Key Performance Indicators (KPIs)

- Website Speed: Pages should load quickly.

- System Uptime: Ensure high availability.

- User Growth: Increase registered users over time.

- Bug Fixing: Resolve issues promptly.

- User Engagement: Track activity and feedback.