# TechShop E-Commerce Project Plan

## 1. Gantt Chart & Timeline

Below is a high-level Gantt chart outlining project phases and timelines.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Task | Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 | Week 9 | Week 10 |
| Requirement Gathering | ● | ● |  |  |  |  |  |  |  |  |
| System Design (ERD, Wireframes) |  | ● | ● |  |  |  |  |  |  |  |
| Frontend Development |  |  | ● | ● | ● | ● |  |  |  |  |
| Backend Development (APIs, Logic) |  |  | ● | ● | ● | ● |  |  |  |  |
| Database Design & Setup (SQL) |  |  | ● | ● |  |  |  |  |  |  |
| ERP Integration |  |  |  |  | ● | ● | ● | ● |  |  |
| Payment & Security Implementation |  |  |  |  | ● | ● |  |  |  |  |
| Functional Testing |  |  |  |  |  |  | ● | ● |  |  |
| Performance & Security Testing |  |  |  |  |  |  | ● | ● |  |  |
| Deployment & Final Adjustments |  |  |  |  |  |  |  |  | ● | ● |
| Launch & Maintenance |  |  |  |  |  |  |  |  | ● | ● |

## 2. Milestones & Deliverables

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| --- | --- | --- |
| Milestone | Expected Completion | Deliverables |
| Project Planning | Week 2 | Requirement Document, ERD, UI Wireframes |
| Frontend & Backend Development | Week 6 | Functional Website with UI and API Integration |
| Database & ERP Integration | Week 8 | SQL Database & ERP System |
| Testing & Debugging | Week 9 | Testing Reports, Bug Fixes |
| Deployment & Launch | Week 10 | Live TechShop Website |

## 3. Resource Allocation

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| Resource | Role | Assigned Tasks |
| Project Manager | Oversees project | Timeline, milestones, coordination |
| UI/UX Designer | Designs interface | Wireframes, UI design |
| Frontend Developer | Develops UI | bootstrap |
| Backend Developer | Implements logic | ASP.NET Core, APIs |
| Database Engineer | Manages SQL | Database design, ERP setup |
| QA Engineer | Testing & Debugging | Functional & security testing |