

HomeAway - Hotel Reservation System Project Plan

Project Overview

Project Name: HomeAway Hotel Reservation System Team: Team-A (6 members) Duration: 12 Weeks
Technology Stack: HTML, CSS, Bootstrap, JavaScript, Backend (TBD), Database (TBD)

Team Structure & Responsibilities

- 1 Ahmed Ashraf El-Saeed - Team Leader & Project Manager
- 2 Mahmoud Mohamed Farrag Elkfrawy - Backend Developer
- 3 Mohamed Mohsen Kamal Saleh - Frontend Developer
- 4 Ahmed Mahmoud El-Saeed El-Sayed - Database Administrator
- 5 Lamiaa Tarek Abdelaziz Saleh El-sheikh - UI/UX Designer
- 6 Hoda Adel El-Sayed Ibrahim - Quality Assurance & Testing

Project Timeline

A 12-week plan divided into phases: Planning, Development, Integration, Testing, and Deployment.

Key Features

1. User Management (registration, profile, booking history)
2. Room Management (inventory, availability, pricing)
3. Booking System (search, reservation, payment)
4. Admin Dashboard (management, analytics)

Technical Specifications

Frontend: HTML5, CSS3, JS, Bootstrap 5.3.3 Backend: Node.js/Express or PHP/Laravel Database: MySQL or MongoDB Security: Authentication, Encryption, XSS & SQLi protection

Risk Management

Potential Risks: Technical issues, scope creep, delays. Mitigation: Code reviews, weekly meetings, backups, contingency buffer.

Success Metrics

Technical: <3s load time, 99% uptime, responsive. Business: Registration & booking conversion rates, user satisfaction.

Communication Plan

Weekly meetings (Mon/Wed/Fri), progress demos. Tools: GitHub, Trello/Asana, Slack, Google Docs.

Final Deliverables

1. Functional hotel reservation system
2. Source code & documentation
3. Presentation & deployment package