📅 **Timeline (Gantt Chart Format Description)**

Phase	Tasks	Duration	Start Date	End Date
1. Requirements & Analysis	Requirement gathering, system use case design	1 week	Apr 10	Apr 17
2. System Design	Database design, class diagrams, architecture planning	1 week	Apr 18	Apr 25
3. Frontend Development	UI/UX design, login/register, event browsing	2 weeks	Apr 26	May 9
4. Backend Development	APIs, ticket booking, payment integration	2 weeks	May 10	May 23
5. Admin Panel & Approval Logic	Admin dashboards, event/vendor approvals	1 week	May 24	May 30
6. Testing & QA	Unit tests, integration testing, bug fixing	1 week	May 31	Jun 6
7. Deployment	Hosting, domain setup, deployment	3 days	Jun 7	Jun 9
8. Documentation	User guide, technical documentation	2 days	Jun 10	Jun 11
9. Final Review & Presentation	Team review, final touches, presentation prep	2 days	Jun 12	Jun 13

▒▒ **Milestones**

Milestone	Expected Date	Description
Project Initialization	Apr 10	Team setup and kick-off meeting
Requirements Finalized	Apr 17	Completion of system requirements

Milestone	Expected Date	Description
Database & Class Design Complete	Apr 25	Diagrams and schema confirmed
UI/UX Ready	May 9	Main pages of the user interface completed
API Integration Complete	May 23	Functional backend logic with DB completed
Admin Panel Functionality Done	May 30	Admin workflows are implemented
System Testing Passed	Jun 6	All modules tested and validated
Deployment	Jun 9	Application live and hosted
Final Presentation	Jun 13	Delivered to stakeholders

📦 Deliverables

- SRS Document & Class Diagram
- ER Diagram & Database Schema
- Responsive Web App (Frontend + Backend)
- Admin Dashboard
- Payment Gateway Integration (simulation or real)
- Test Cases & Bug Reports
- Deployment Link
- User Manual / Developer Documentation
- Presentation Slides

👥 Resource Allocation

Role	Team Member(s)	Responsibilities
Project Manager	Ahmed Ehab	Oversee timelines, meetings, ensure milestone progress
Frontend Developers	Mohammed Sobhy, Mohammed Sherif	UI/UX design, pages for client, vendor, and admin
Backend Developers	Ahmed Ehab, Yousif Essam, John Polis	Database, APIs, business logic, authentication
QA Engineer	Ahmed Ehab	Testing, bug tracking, performance validation
Deployment Lead	Ahmed Ehab	Deploy the project, manage hosting/domain setup
Documentation Lead	Ahmed Ehab	Prepare user and developer documentation