

Date	15 April 2025
Team ID	SWTID1743599215
Project Name	EventEase: Event Management

1. PROJECT PLANNING & SCHEDULING

1.1 Project Planning

The development plan for InVITe follows an Agile methodology, with iterative cycles of development, testing, feedback, and deployment. This ensures adaptability and continuous improvement throughout the lifecycle of the project.

Development Phases:

1. Phase 1: Requirements Analysis (Week 1)
 - Stakeholder meetings, feature planning, tech stack finalization.
2. Phase 2: UI/UX Design (Week1)
 - Wireframes, user journey mapping, initial prototyping.
3. Phase 3: Backend Development (Week 2)
 - API development, database schema design, environment configuration.
4. Phase 4: Frontend Development (Week 3)
 - Component development, dashboard creation, role-based routing.
5. Phase 5: Feature Integration (Week 3)
 - Stripe integration, email setup, real-time event updates.
6. Phase 6: Testing and QA (Week 4)
 - Unit testing, integration testing, feedback incorporation.

7. Phase 7: Deployment (Week 4)

- Client-side deployment on Vercel, server-side testing with MongoDB Atlas.

8. Phase 8: Documentation & Handover (Week 4)

- Technical documentation, user guides,

admin manuals. Risk Mitigation

Strategies:

- Communication Failures: Weekly team stand-ups and GitHub issue tracking.
- Payment Failures: Extensive testing in Stripe sandbox environment.
- Security Risks: Use of HTTPS, hashed credentials, secure tokens.
- Feature Delay: Buffer weeks allocated, modular coding for faster debugging.

Tools and Technologies:

- Project Management: GitHub Projects, Trello
- Version Control: Git
- Code Editors: VS Code
- Testing: Postman, Jest (for unit testing)
- Deployment: Vercel (client),

Localhost/Render (server) Monitoring

Plan:

- Weekly performance checkups on endpoints and user flows.
- Log monitoring for backend errors and API failures.
- Planned release of analytics dashboard for usage insights.

The above roadmap outlines a 4-week plan aimed at delivering a robust MVP (Minimum Viable Product) with room for future growth and enterprise-level scalability