**Project Timeline & Milestones**

**Project Name:** CharityLens  
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**Version:** 1.0

### 1. ****Development Approach****

The project will follow an **iterative development model** with 4 key phases:

**Planning & Research**

**Design & Development**

**Testing & Feedback**

**Launch & Post-Launch**

Estimated project duration: **8–12 weeks** (adjustable)

### 2. ****Milestone Breakdown****

| **Phase** | **Milestone** | **Timeline** | **Deliverables** |
| --- | --- | --- | --- |
| Planning | Requirement gathering & project docs | Week 1 | Proposal, SRS, Technical Docs |
| Design | UI wireframes & database schema | Week 2 | Wireframes, ERD |
| Backend | Core API and database setup | Weeks 3–4 | Spring Boot project, Auth API, CRUD for users/projects |
| Frontend | UI pages and API integration | Weeks 5–6 | Dashboard, project feed, donation pages |
| Reporting | Add reports, charts, and analytics | Week 7 | PDF reports, data visualizations |
| Security | Add authentication and roles | Week 8 | JWT or session login, RBAC |
| Testing | Unit + integration testing | Week 9 | JUnit + Postman tests |
| Deployment | Deploy MVP to cloud | Week 10 | Live demo (GitHub Pages + Render) |
| Feedback | Demo + feedback from users | Week 11 | Adjustments |
| Launch | Launch v1.0 publicly | Week 12 | Public GitHub repo, Docs, optional domain |

### 3. ****Optional Future Milestones****

| **Milestone** | **Description** |
| --- | --- |
| Mobile App | React Native or Flutter app |
| Payment Gateway | Integrate Stripe or local payment options |
| Plugin System | For extending platform features |
| Smart Contracts | Use blockchain for donation proof (optional) |
| Monetization | Add sponsor section or SaaS features |

### 4. ****Tools for Timeline Tracking****

You can use any of the following to track this:

Trello or Notion (Kanban style)

Google Sheets (Gantt-style timeline)

GitHub Projects (for issues + tracking)