Web Development Process
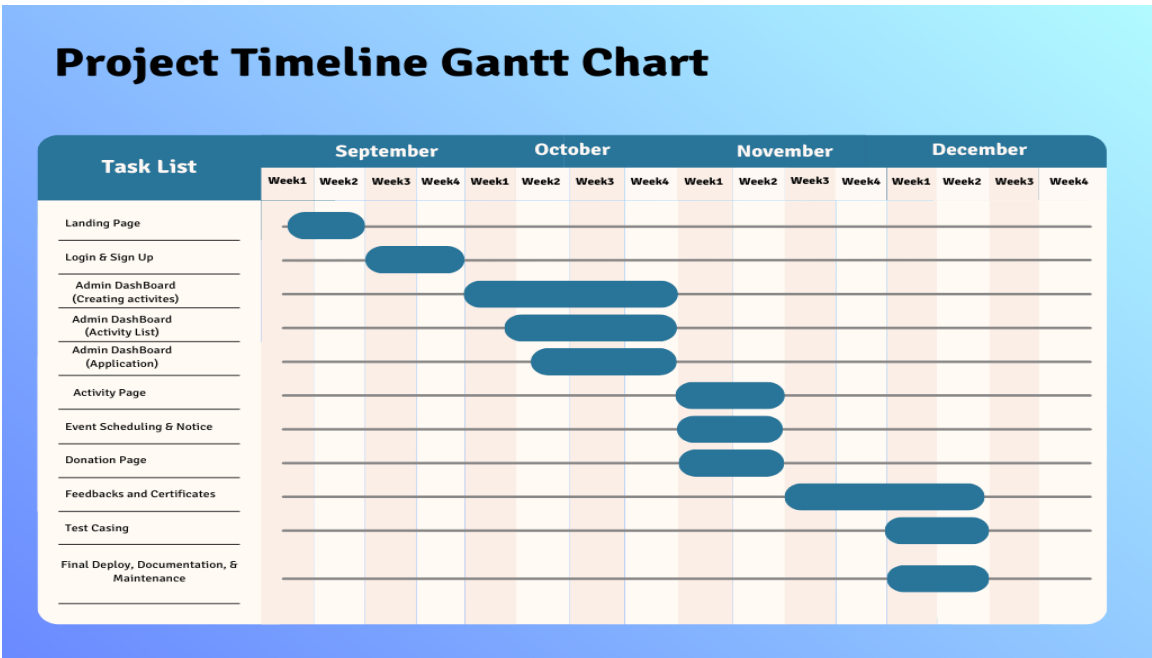
Ghant Chart

A Centralized Web-based Management System for Enhancing Streamlined Volunteer Engagement

Project Timeline Gantt Chart

Task List	September Week1	Week2	Week3	Week4	October Week1	Week2	Week3	Week4	November Week1	Week2	Week3	Week4	December Week1	Week2	Week3	Week4
Landing Page	█															
Login & Sign Up		█														
Admin DashBoard (Creating activites)					█	█										
Admin DashBoard (Activity List)						█	█									
Admin DashBoard (Application)						█	█									
Activity Page									█							
Event Scheduling & Notice									█							
Donation Page									█							
Feedbacks and Certificates											█	█				
Test Casing													█			
Final Deploy, Documentation, & Maintenance													█			

Project Sprints & Breakdown

Sprint 1 – Login & Sign-Up (Sept Week 2–4)

- **Backend Development** – User database, authentication API

- **Frontend Development** – Login & sign-up forms, input validation

- **Security Integration** – Password hashing, session/token management

- **Testing** – Unit testing, functional testing, regression testing

---

Sprint 2 – Admin Dashboard (Oct Week 1–4)

- **Creating Activities**

  o Backend – Activity database, API endpoints

  o Frontend – Activity creation form, validation

- **Activity List**

    o Backend – Fetch + manage activities

    o Frontend – Activity listing UI (filter/sort)

- **Application Module**

    o Backend – Application requests handling

    o Frontend – Application UI (status tracking)

- **Testing** – Unit, functional, regression

Sprint 3 – Event Scheduling & Pages (Nov Week 1–2)

- **Activity Page** – Backend (activity DB + API), Frontend (page UI)

- **Event Scheduling & Notice** – Scheduling logic, notifications

- **Donation Page** – Backend (donation DB), Frontend (donation UI, forms)

- **Testing** – Functional + regression testing

Sprint 4 – Feedback & Testing (Nov Week 3 – Dec Week 2)

- **Feedbacks & Certificates**

    o Backend – Feedback + certificate DB, APIs

    o Frontend – Feedback forms, certificate display/download

- **Test Casing** –

    o Unit testing, regression testing, usability testing

Sprint 5 – Final Deployment & Maintenance (Dec Week 2–3)

- **Deployment** – Deploy application on **Vercel** (frontend + backend APIs if serverless)

- **Documentation** – User guides, admin manuals

- **Maintenance** – Bug fixes, monitoring, optimization