

Kanban Board Project Week 16 Deliverable

Stage: Phase Three Development Kickoff

Objective: Begin implementation of Phase Three deliverables with a focus on advanced analytics, feature enhancements, and improved system performance. Ensure seamless collaboration across teams to align backend, frontend, and UI/UX updates with project goals.

Backend Team:

November 25-26: Advanced Analytics API Development

- **Enhance CEO Dashboard APIs:**
 - Add real-time reporting for key metrics (e.g., active projects, completion trends, volunteer participation rates).
 - Develop data aggregation endpoints for quarterly performance insights.
- **Implement Admin Controls:**
 - Build APIs for advanced admin functions, such as managing project roles and adjusting visibility settings.

November 27-28: System Performance Optimization

- **Database Query Optimization:**
 - Refactor queries for analytics-heavy endpoints to reduce latency under high-load conditions.
 - Update indexing and caching strategies for frequently accessed data.
- **Scalability Improvements:**
 - Analyze current system capacity and implement enhancements to handle increased traffic from new features.

November 29: Backend Code Review and Phase Three Sync-Up

- Conduct a collaborative review of Phase Three APIs to identify any alignment gaps with frontend and UI/UX requirements.
 - Finalize technical documentation for the analytics and admin APIs, ensuring clear guidelines for the frontend team.
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Frontend Team:

November 25-26: CEO Dashboard Enhancements

- **Develop Reporting Widgets:**
 - Build components for real-time data visualization, such as progress bars, heatmaps, and trend charts.
 - Integrate the backend APIs for active/inactive projects and volunteer contributions.
- **Enhance Filters and Sorting:**
 - Add advanced filtering options for project data (e.g., by team, priority, or timeline).

November 27-28: Admin Page and Feature Expansion

- **New Admin Controls:**
 - Implement UI components for managing project roles and permissions.
 - Add a tabbed navigation feature for better usability in admin workflows.
- **Frontend Optimization:**
 - Refactor code to reduce bundle sizes for new components.
 - Fine-tune asset loading and implement lazy loading for reporting widgets.

November 29: Collaborative Planning for Upcoming Features

- **Cross-Team Coordination:**
 - Participate in a sync-up session with backend and UI/UX teams to finalize the implementation roadmap for Phase Three.
 - Share feedback on wireframes and propose adjustments based on initial development insights.
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UI/UX Team:

November 25-26: CEO Dashboard Design Finalization

- **Finalize Data Visualization Designs:**
 - Refine layouts for analytics components, ensuring clarity and accessibility.
 - Add interactive elements, such as tooltips and drill-down capabilities, for a more intuitive user experience.

November 27-28: Admin Page and Wireframing

- **Design Updates for Admin Features:**
 - Create wireframes for the new admin functionalities, focusing on role management and enhanced navigation.
 - Validate designs through quick user testing sessions.
- **Usability Testing:**
 - Test wireframes and prototypes of the CEO dashboard with a small user group, gathering feedback for iterations.

November 29: Documentation and Alignment

- **Update Design Guidelines:**
 - Document Phase Three design elements, including new visual styles and interaction patterns.
 - Share design documentation with frontend and backend teams to maintain consistency.
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Summary of Week 16 Deliverables:

Backend:

- Develop and optimize advanced analytics and admin APIs.
- Enhance system scalability and performance for new features.

Frontend:

- Implement CEO dashboard widgets and admin controls.
- Optimize frontend performance and prepare for additional feature rollouts.

UI/UX:

- Finalize designs for new analytics and admin features.
- Conduct usability testing and update design guidelines for Phase Three.