Kanban Board Project Week 17 Deliverables

(December 2 - December 6, 2024)

Stage: Phase Three Development Continuation
Objective: Build on the progress made in Week 16 by finalizing advanced analytics, enhancing admin controls, optimizing frontend performance, and preparing for user testing and feedback cycles. Strengthen cross-team collaboration to align all features with project goals.

Backend Team

December 2-3: Finalizing Advanced Analytics and Admin Controls

- API Enhancements:
    - Extend the CEO Dashboard APIs to include comparative performance analysis (e.g., year-over-year trends, team-specific KPIs).
    - Add endpoints to support customizable reporting templates for users.
- Admin API Updates:
    - Implement role-specific permissions for admin APIs.
    - Add bulk editing capabilities for project and volunteer roles.

December 4-5: System Stress Testing and Bug Fixes

- Performance Validation:
    - Conduct stress tests to evaluate system behavior under peak loads with new analytics features.
    - Optimize API response times for real-time data visualization.
- Bug Resolution:
    - Address issues identified during backend code review in Week 16.
    - Fix any discrepancies in data aggregation logic for advanced analytics.

December 6: Documentation and Cross-Team Sync-Up

- Finalize detailed backend documentation for analytics and admin APIs.
- Participate in a sync-up session with the frontend and UI/UX teams to review integration status and prioritize pending tasks.

Frontend Team

December 2-3: CEO Dashboard and Admin Feature Completion

- Enhanced Reporting Widgets:
    - Finalize and test widgets for comparative analytics and performance tracking.
    - Add interactive features like drill-downs and export options for reports.
- Admin UI Enhancements:
    - Implement bulk role-editing UI components.
    - Finalize tabbed navigation for admin workflows based on feedback from Week 16.

December 4-5: Frontend Optimization and QA

- Performance Improvements:
    - Refactor reusable components for better maintainability and efficiency.
    - Implement advanced caching strategies for data-intensive widgets.
- Quality Assurance:
    - Conduct comprehensive frontend testing, including edge case scenarios for new features.
    - Fix styling and responsiveness issues reported during Week 16 testing.

December 6: Usability Testing Preparation

- Collaborate with the UI/UX team to incorporate feedback from usability testing prototypes.
- Prepare test scenarios for user feedback sessions scheduled for Week 18.

UI/UX Team

December 2-3: User Interaction Refinement

- Finalize Interactive Designs:
    - Enhance interactive elements like tooltips and modal dialogs for analytics components.
    - Refine admin page designs based on quick user testing insights from Week 16.
- Prototyping for User Testing:
    - Develop high-fidelity prototypes for new analytics and admin features.

December 4-5: Usability Testing and Feedback Integration

- Conduct Initial Tests:
  - Run usability testing sessions with an expanded user group.
  - Document actionable feedback and propose design iterations.
- Validate Accessibility Enhancements:
  - Test new designs for compliance with WCAG standards.

December 6: Updated Design Documentation

- Update the design system with finalized Phase Three components.
- Share documentation with backend and frontend teams to ensure consistent implementation.

Summary of Week 17 Deliverables

Backend

- Finalize advanced analytics APIs and admin controls with new features like customizable reports.
- Conduct stress testing and fix critical performance issues.

Frontend

- Complete CEO dashboard enhancements and admin feature updates.
- Focus on performance optimization and prepare for usability testing.

UI/UX

- Refine interactive designs and validate through usability testing.
- Update design documentation for seamless cross-team alignment.