Kanban Board Project Week 11 Deliverable

Week 11 Deliverables (October 21 - October 25, 2024)
Stage: Final Stabilization and Preparing for Phase Two Rollout
Objective: Ensure complete stabilization of the system, finalize documentation, conduct thorough testing for remaining issues, and initiate groundwork for Phase Two enhancements.

Backend Team:

October 21-22:
Final Issue Resolution and Stabilization

- **Task 1:** Fix any remaining API-related bugs (e.g., timeout inconsistencies or synchronization delays).
- **Task 2:** Validate the accuracy of task dependencies and due dates functionality through automated tests.
- **Task 3:** Verify all automated notifications (for overdue/incomplete tasks) work across scenarios (e.g., peak usage, cross-platform actions).

October 23:
System-wide Load and Stress Testing

- **Task 1:** Execute stress tests with peak user load to confirm API stability and data synchronization efficiency.
- **Task 2:** Optimize backend resources (e.g., database queries and API endpoints) to prevent bottlenecks identified during testing.

October 24-25:
Phase Two Preparation and Documentation

- **Task 1:** Begin developing API architecture for visual Kanban charts in the OPT Portal.
- **Task 2:** Create detailed technical documentation for all API configurations and backend workflows for Phase Two development.
- **Task 3:** Conduct a knowledge-sharing session with the frontend team to align API updates for the upcoming release.

Frontend Team:

October 21-22:
UI Optimization and Cross-Project Validation

- **Task 1:** Validate that task filters (status, priority, assigned users) on the OPT Portal work seamlessly across devices.
- **Task 2:** Fix any reported layout or rendering issues on different screen sizes and browsers.
- **Task 3:** Ensure cross-platform notifications (Kanban Board + OPT Portal) are synchronized properly and user-friendly.

October 23:
Performance Monitoring and Final Tweaks

- **Task 1:** Use monitoring tools to detect any latency or responsiveness issues in the frontend.
- **Task 2:** Optimize frontend rendering for smoother task updates and transitions between views.

October 24-25:
Frontend Development for Phase Two

- **Task 1:** Begin creating frontend components for visual Kanban charts (drag-and-drop boards, progress meters).
- **Task 2:** Collaborate with the UI/UX team to implement wireframes for new visualization features.
- **Task 3:** Update user documentation for all changes, ensuring that onboarding material reflects the latest interface updates.

UI/UX Team:

October 21-22:
Usability Refinements and Accessibility Validation

- **Task 1:** Finalize any remaining UI adjustments based on Week 10 feedback (e.g., confusing design elements).
- **Task 2:** Perform accessibility testing to confirm that new features (e.g., task filtering, notifications) meet WCAG standards.
- **Task 3:** Improve the visual presentation of task dependencies and due dates to enhance user understanding.

October 23:
Usability Testing and Feedback Sessions

- **Task 1:** Conduct final usability tests with OPT Coordinators and volunteers to gather feedback on overall experience.
- **Task 2:** Adjust the design based on feedback (e.g., layout improvements or task visualization clarity).

October 24-25:
Phase Two Planning and Design Finalization

- **Task 1:** Complete wireframes and mockups for visual Kanban charts within the OPT Portal.
- **Task 2:** Collaborate with the frontend team to align the design with upcoming features.
- **Task 3:** Prepare the final style guide for Phase Two updates, ensuring consistency across all future developments.

Summary of Week 11 Deliverables:

1. **Backend**: Final issue resolution, system stress testing, and preparation for Phase Two API development.
2. **Frontend**: UI optimization, monitoring, and starting development for new visualization features.
3. **UI/UX**: Usability testing, accessibility validation, and wireframing future components.

This week serves as a **transition from the refinement phase to feature expansion**, ensuring the project is fully stabilized and ready for the next phase of updates.