

# Kanban Board Project Week 9 Deliverable

## Week 9 Deliverable (October 7 - October 11, 2024)

### Stage: Post-launch Optimization and Integration with OPT Portal

**Objective:** Ensure smooth integration of Kanban functionalities with the OPT Portal project. Focus on post-launch optimization, bug fixing, and cross-project functionalities like task management and user coordination.

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### Backend Team:

#### October 7-8: Kanban and OPT Portal Integration

- **Task 1:** Set up data exchange between the Kanban Board (task/project management) and the OPT Portal (document submission and tracking).
- **Task 2:** Develop API endpoints that allow the OPT Coordinator role in the OPT Portal to create, track, and manage volunteer tasks directly from the OPT Portal interface.
- **Task 3:** Synchronize user roles across both platforms (e.g., Admins, Students, OPT Coordinators, Volunteers) to ensure permissions are properly enforced in both systems.

#### October 9: Testing and Bug Fixing

- **Task 1:** Perform integration testing to verify that tasks created in the Kanban Board reflect in the OPT Portal and vice versa.
- **Task 2:** Identify and fix any issues related to the API communication between the Kanban and OPT systems, such as data inconsistency or API timeout errors.

#### October 10: Performance Optimization

- **Task 1:** Optimize API calls to ensure efficient data synchronization between the two systems without causing delays.
- **Task 2:** Implement caching strategies where applicable to reduce load on the database when querying for task and document data across both projects.

#### October 11: Final Testing and Documentation

- **Task 1:** Conduct final integration testing with both Kanban and OPT Portal systems.
  - **Task 2:** Document the integration points between the two systems, including API documentation, data flow diagrams, and role-based permission configurations.
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## **Frontend Team:**

### **October 7-8: UI Integration for Cross-Project Access**

- **Task 1:** Integrate a task management module from the Kanban Board into the OPT Coordinator's dashboard in the OPT Portal, allowing direct access to volunteer tasks.
- **Task 2:** Implement a unified notification system across both platforms, where users (e.g., Volunteers, Project Managers, OPT Coordinators) receive task and document-related updates in a single notification hub.

### **October 9: User Testing and Feedback Collection**

- **Task 1:** Organize user testing sessions where OPT Coordinators and Volunteers perform task assignments and track progress through both platforms.
- **Task 2:** Collect feedback on the user experience, focusing on the seamlessness of using integrated features between the Kanban Board and OPT Portal.

### **October 10: UI/UX Refinement and Bug Fixes**

- **Task 1:** Address any UI inconsistencies discovered during testing, ensuring both systems share a uniform look and feel.
- **Task 2:** Fix any bugs or errors related to user interaction with cross-platform functionalities (e.g., task creation, notifications, and project tracking).

### **October 11: Post-Launch Support and Monitoring**

- **Task 1:** Set up frontend monitoring tools to track errors, latency, and user behavior across the integrated systems.
- **Task 2:** Provide user support for any issues arising from the use of integrated features, ensuring smooth operation post-launch.

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## **UI/UX Team:**

### **October 7-8: Unified Design and User Flow**

- **Task 1:** Create consistent UI/UX components for task management, notifications, and document tracking across both the Kanban Board and OPT Portal.
- **Task 2:** Conduct a heuristic evaluation to ensure that cross-platform navigation is intuitive for end users (e.g., OPT Coordinators and Volunteers).

### **October 9-10: Post-launch Usability Testing**

- **Task 1:** Conduct usability testing focusing on the new integrated features (e.g., volunteer task assignment within the OPT Portal).

- **Task 2:** Gather feedback to identify areas of confusion or difficulty for users and adjust the interface design as needed.

#### **October 11: Documentation and Post-launch Support**

- **Task 1:** Document user journeys for the integrated task and project management features, ensuring that onboarding materials are clear and easy to follow.
- **Task 2:** Provide post-launch support by addressing any user experience issues reported after the final deployment.