

Kanban Board Project Week 14 Deliverable

Week 14 Deliverables (November 11 - November 15, 2024)

Stage: Finalizing Phase Two and Preparing for Production Launch

Objective: Complete development, testing, and deployment of Phase Two features, ensuring the platform is stable and ready for a live rollout. The focus is on refining existing functionalities, rigorous testing, final optimizations, and go-live preparations.

Backend Team:

November 11-12: Final Enhancements and Testing

- 1. Complete Phase Two Feature Finalization:**
 - Ensure all Phase Two API endpoints are fully functional, optimized, and secure.
 - Conduct final integrations between advanced task analytics and Kanban functionalities.
- 2. End-to-End Testing and Validation:**
 - Execute end-to-end tests covering all new analytics APIs and visual Kanban chart functionalities.
 - Validate performance thresholds and ensure backend stability under high load scenarios.
 - Conduct security tests, including penetration testing, to safeguard against vulnerabilities.

November 13: Production Readiness

- 1. Data Migration and Cleanup:**
 - Prepare data migration scripts if any new data structures or tables were introduced in Phase Two.
 - Perform database cleanup and archival of old data to optimize performance.
- 2. API Rate Limiting and Monitoring:**
 - Implement rate limiting and throttling for critical APIs to prevent misuse post-launch.
 - Finalize alert configurations to monitor live system health (response times, error rates).

November 14-15: Go-Live Preparations

- 1. Deployment Pipeline and Rollout Plan:**
 - Finalize the CI/CD pipeline for production deployment, ensuring smooth release workflows.
 - Conduct a dry run of the deployment process to identify any potential issues.

2. **Backend Support Post-Launch:**

- Allocate resources for backend support during the initial launch window to address any urgent issues.
 - Set up real-time monitoring dashboards to track system health immediately after go-live.
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Frontend Team:

November 11-12: Final UI/UX Adjustments and Testing

1. **Complete Analytics Dashboard Refinements:**

- Finalize the Task Analytics Dashboard, ensuring real-time data visualization is accurate and performant.
- Add final touches to user configurations (e.g., saving filter preferences, data export options).

2. **Cross-Browser and Device Testing:**

- Conduct compatibility testing across multiple browsers (Chrome, Firefox, Safari) and devices (desktop, mobile).
- Address any visual inconsistencies or interaction bugs identified during testing.

November 13: Pre-Launch User Acceptance Testing (UAT)

1. **User Acceptance Testing with Key Stakeholders:**

- Facilitate a UAT session with internal stakeholders, gathering last-minute feedback on usability and functionality.
- Make quick adjustments based on critical feedback to enhance user experience.

2. **Performance Optimization:**

- Implement code splitting and lazy loading optimizations for faster load times.
- Optimize frontend components for seamless integration with backend APIs, minimizing latency.

November 14-15: Deployment and Post-Launch Support

1. **Frontend Go-Live Preparations:**

- Finalize the build for production, ensuring optimized assets and minimized bundle sizes.
- Collaborate with backend for coordinated deployment to production.

2. **Hotfixes and Immediate Bug Resolutions:**

- Stand by for rapid response to any critical bugs reported post-launch.
 - Monitor user interactions for any performance lags or usability issues, rolling out hotfixes as needed.
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UI/UX Team:

November 11-12: Final Design Validation and Accessibility Checks

1. Finalize Visual Enhancements:

- Conduct a final review of the Task Analytics Dashboard and Kanban visualizations to ensure design consistency.
- Confirm all design elements align with accessibility standards (e.g., color contrast, keyboard navigation).

2. Clickable Prototypes for Training:

- Develop interactive prototypes for Phase Two features to be used in user training sessions.
- Share these prototypes with the training team for onboarding materials.

November 13: Usability and Feedback Collection

1. Conduct Final Usability Testing:

- Run usability testing sessions with a broader user group to ensure ease of use.
- Document feedback and prioritize any critical enhancements that can be addressed before go-live.

2. Design Documentation:

- Update the component style guide with final Phase Two designs for future reference.
- Share detailed design documentation with frontend and backend teams for alignment.

November 14-15: Go-Live Support and Post-Launch Enhancements

1. Post-Launch User Experience Monitoring:

- Monitor user interactions with new features, gathering feedback for potential Phase Three improvements.
- Collaborate with frontend and backend teams to address any UI/UX issues identified after launch.

Summary of Week 14 Deliverables:

- **Backend:** Finalize Phase Two API endpoints, ensure system security, optimize performance, and prepare deployment pipelines for a smooth go-live.
- **Frontend:** Refine analytics dashboards, conduct cross-browser testing, facilitate UAT, and ensure a seamless deployment to production.
- **UI/UX:** Validate final designs, conduct usability testing, prepare design documentation, and support user experience monitoring post-launch.

Priority for Week 14: Ensure Phase Two is fully complete, stable, and live by the end of the week, with all teams aligned for a successful rollout.