Scrum Master Project Documentation - Band Baja Hub

1. **Project Overview**
   Project Name: Band Baja Hub
   Domain: Wedding Planner application
   Description: A comprehensive wedding management platform built with PHP that connects couples with trusted wedding vendors. Streamline your wedding planning with our all-in-one solution.
   Duration: Aug'25 - Nov'25
   Team Composition:

   202412001 - Aarti Bodani - Backend Developer
   202412039 - Bhakti Khokani - Frontend Developer
   202412047 - Manya Singh - Business Analyst
   202412049 - Monika Gautam - Scrum Master
   202412055 - Palak Patel - Frontend Developer
   202412065 - Dhara Patel - Backend Developer
   202412088 - Hirwa Saraiya - Backend Developer
   202412105 - Aditi Shukla - Tester, technical writer

   Tools used: JIRA, Google docs, Microsoft Teams

2. **Project Lifecycle**

Initiation phase:
- Initial project setup and requirement gathering
- Team formation and role allocation

Planning phase:
- Develop a project plan and create a schedule.
- Define user stories and acceptance criteria.
- Design class diagrams, sequence diagrams and ER diagrams.

Execution phase:
- Created backend logic for authentication and vendor management.
- Implement vendor and package modules with database linkage.
- Integrated booking and event APIs. Tested CRUD operations.

- Performed cross-browser testing and resolved UI inconsistencies.
- Deployed application on XAMPP and conducted full system testing.
- Created README file and final report. Prepared project presentation slides.
- Final presentation and submission of all deliverables.

3. Impediments and Resolutions

Date Reported	Impediment Description	Impact Level	Resolution Status	Resolution Details	Resolution Date
2024-11-13	Vendor payment gateway integration delayed due to API documentation issues	High	In Progress	Working with provider support to resolve API documentation gaps	2024-11-20 (Target)
2024-11-12	Database performance issues with large vendor search queries	Medium	In Progress	Optimizing query performance and adding database indexes	2024-11-18 (Target)
2024-11-10	Design system inconsistencies causing UI development delays	Low	Resolved	Conducted design review workshop, updated component library	2024-11-13
2024-11-08	Third-party calendar API rate limiting affecting availability	High	Resolved	Implemented request caching, added retry logic,	2024-11-10

	features			upgraded API plan	
2024-11-05	Mobile responsiveness issues on vendor profile pages	Medium	Resolved	Refactored CSS, implemented responsive images, touch-friendly buttons	2024-11-07
2024-11-03	Database migration conflicts during feature branching	High	Resolved	Implemented migration tools, created conflict resolution guide	2024-11-05
2024-11-01	Team velocity impacted due to festival holidays	Medium	Resolved	Adjusted sprint commitments, reprioritized backlog items	2024-11-04
2024-10-30	Authentication service downtime affecting user login	High	Resolved	Implemented redundant auth providers, circuit breaker pattern	2024-11-01
2024-10-28	Cross-browser compatibility issues with booking forms	Medium	Resolved	Added browser polyfills, progressive enhancement, cross-browser testing	2024-10-30
2024-10-25	Build pipeline failures due to dependency conflicts	Medium	Resolved	Consolidated package versions, dependency locking, optimized build config	2024-10-26

2024-10-22	Performance testing environment unavailable	Low	Resolved	Created lightweight testing setup, data anonymization, cloud credits	2024-10-24
2024-10-20	Legal compliance review delaying payment feature	High	Resolved	Engaged legal counsel, implemented compliance features, security audit	2024-10-25
2024-10-18	Team member knowledge gaps in new notification system	Medium	Resolved	Conducted architecture workshop, documentation, pair programming	2024-10-20
2024-10-15	Server infrastructure costs exceeding budget	Medium	Resolved	Optimized cloud resources, auto-scaling policies, reserved instances	2024-10-17
2024-10-12	Email service provider deliverability issues	Low	Resolved	Implemented SPF/DKIM records, improved templates, added analytics	2024-10-14
2024-10-10	Code review bottlenecks slowing development	Medium	Resolved	Review rotation schedule, checklist, automated code quality	2024-10-12

				tools	
2024-10-08	Third-party mapping API integration complexity	Low	Resolved	Simplified integration, fallback services, API wrapper library	2024-10-10
2024-10-05	Database backup strategy inadequate for disaster recovery	High	Resolved	Automated backup system, disaster recovery plan, recovery drills	2024-10-07
2024-10-03	Team member sick leave affecting critical feature development	Medium	Resolved	Redistributed workload, extended timeline, temporary contractor	2024-10-06
2024-10-01	Production deployment failed due to configuration mismatch	High	Resolved	Rolled back deployment, improved checklist, enhanced testing	2024-10-02
2024-09-28	Vendor onboarding process too complex for early users	Medium	Resolved	Simplified registration flow, step-by-step guidance, video tutorials	2024-09-30
2024-09-25	Image upload functionality failing for large files	Medium	Resolved	File compression, size validation, improved error messages	2024-09-27
2024-09-22	Search algorithm performance	High	Resolved	Optimized database indexes,	2024-09-24

	degrading with data growth			search caching, performance monitoring	
2024-09-20	Team development environment setup inconsistencies	Low	Resolved	Standardized setup script, documentation, containerization	2024-09-22
2024-09-18	Payment gateway sandbox environment unstable	Medium	Resolved	Worked with provider support, mock services, fallback test scenarios	2024-09-20
2024-09-15	API documentation incomplete for frontend integration	Low	Resolved	Comprehensive API docs, Swagger/OpenAPI, API review sessions	2024-09-17
2024-09-12	Database connection pooling issues under load	High	Resolved	Optimized connection settings, monitoring, health checks	2024-09-14
2024-09-10	Third-party font service causing layout shifts	Low	Resolved	Font display swap, preloading, fallback font stack	2024-09-12
2024-09-08	Team velocity lower than expected in first sprint	Medium	Resolved	Retrospective analysis, adjusted estimates, improved requirements	2024-09-10

2024-09-05	Version control conflicts in shared components	Low	Resolved	Established branching strategy, component ownership, code review standards	2024-09-07
2024-09-03	Initial project setup delays due to infrastructure	Medium	Resolved	Expedited cloud setup, infrastructure templates, CI/CD pipeline	2024-09-05
2024-09-01	Requirement ambiguity in vendor management module	Medium	Resolved	Requirement workshop, detailed user stories, acceptance criteria	2024-09-03

4. Team progress

Status overview
Get a snapshot of the status of your work items. View all work items

19
Total work item...

- Done: 16
- To Do: 1
- In Progress: 2

5. Retrospective insights

What went well	What didn't went well	Actions for Continuous improvement
Successful project setup and clear team role allocation.	Difficulty aligning team members' availability for planning meetings.	Schedule recurring meetings in advance; use shared calendars for coordination.
Completed requirement specification and defined user stories	Overlapping features between user and planner roles caused confusion.	Clarify role-based features early through use-case validation sessions.
Designed UI wireframes and architecture diagrams.	Delays in feedback during UI review sessions.	Set feedback deadlines and assign reviewers for each design iteration.
Developed ER diagram and linked design flow with user stories	Relationship mapping issues and inconsistencies between diagrams.	Implement peer reviews before finalizing diagrams.
Defined REST API contract and began backend development.	Confusion in mapping event and payment endpoints.	Document endpoint logic and maintain updated API reference.

6. Risk management

Risk	Mitigation Strategy
Low Vendor Adoption	Vendor onboarding program, early adopter incentives
User Acquisition Cost	Content marketing, partnership programs
Data Security	Robust security protocols, compliance certifications
Competitive Response	Continuous innovation, niche market focus

7. Final outcomes

Final product summary

The Band Baaja Hub is a web-based application designed to simplify wedding planning and management for users and vendors. It provides an integrated platform where users can browse and book vendors, manage events, handle payments, and view personalized wedding packages. Vendors can register, showcase services, and manage client bookings seamlessly.

The system features secure authentication, real-time booking management, payment integration, and a user-friendly interface developed using modular architecture. It was successfully deployed on XAMPP and presented as a complete end-to-end solution that meets both functional and non-functional requirements.

Metrics: ~84% of tasks were successfully completed(16/19)

Lessons learned

Importance of Early Alignment: Regular coordination meetings and defined roles at the start helped streamline communication, but inconsistent schedules initially caused planning delays.

Iterative Design Feedback: Early UI/UX reviews are crucial — delayed feedback led to rework, highlighting the need for structured design approval checkpoints.
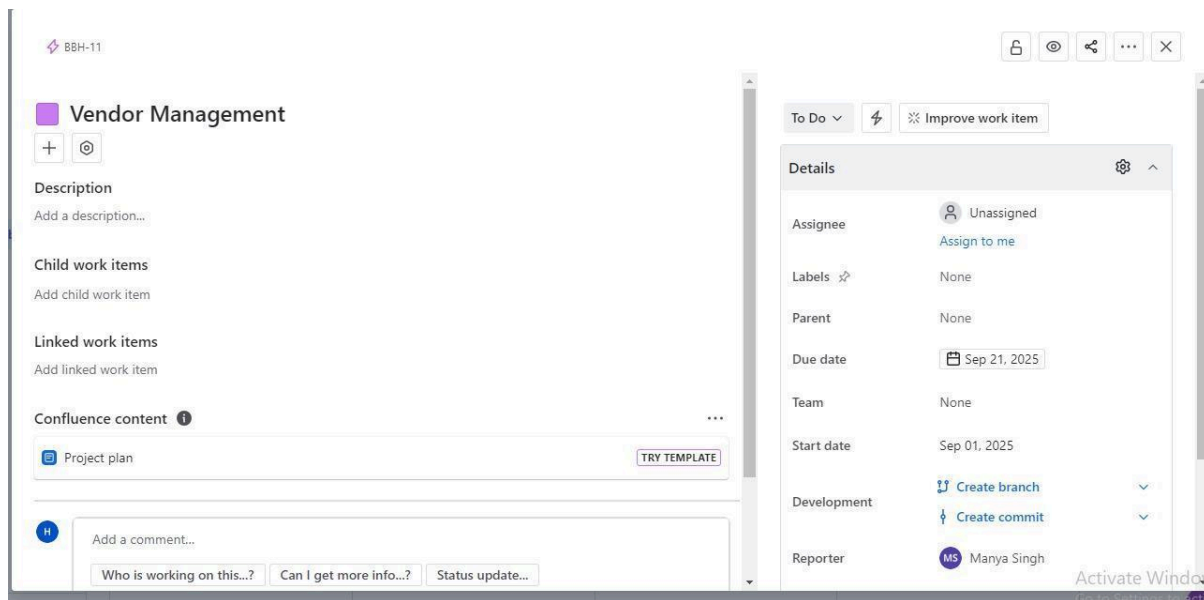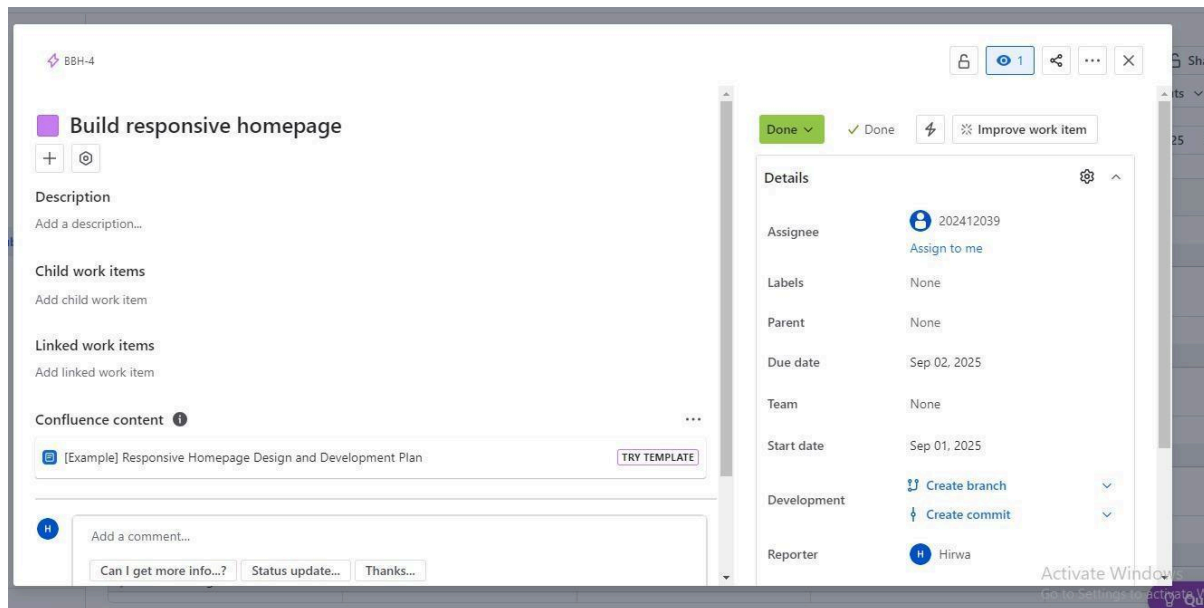
Documentation Discipline: Maintaining updated project documentation throughout the development process prevents confusion and supports smoother integration.

Testing and Integration: Early and continuous testing reduces integration errors; automation tools can improve consistency and save time.

Time Management: Allocating buffer periods for final review, testing, and presentation ensures quality delivery even under tight deadlines.

8. Annexures

Screenshots of Jira boards

Gantt Chart

Band Baaja Hub – Project Plan

Requirements Gathering

System Architecture & ⬚ ⬚ & ERD

System Afichema & Setup

REST API Contrats

Event Management APIs

Booking & Payment APIs

Login & Dashboɪnd UI

Event Planner & Venue UI

Guest List & Budget Tracker

Frontend ↔ Backend ↔ DB

Payment Gateway Integration

Unit & Intl

Report & Pres

| 2025-09-01 | 2025-09-03 | 2025-09-11 | 2025-09-13 | 2025-09-15 | 2025-09-17 | 2025-09-23 | 2025-09-24 | 2025-09-25 | 2025-09-26 |