

Biweekly Report

Name: Fubin Chen

Period: May 12 - May 25, 2025

Project: Smart Maintenance Platform for Aero Engine Industrial Equipment

Week 1: Non-Core Interface Completion (May 12-18, 2025)

During this period, I focused on completing the remaining non-core interface components and supporting system testing:

1. **Non-Core Interface Completion (May 12-15)**
 - o Finalized report generation interface with export options
 - o Completed alert management interface with notification preferences
 - o Implemented final UI refinements based on testing feedback
 - o Addressed cross-browser compatibility issues
2. **System Testing Support (May 16-18)**
 - o Participated in interface testing across platforms
 - o Fixed UI issues identified during system testing
 - o Optimized frontend performance for data-intensive views

Time spent: 16 hours

Week 2: User Acceptance Testing (May 19-25, 2025)

This week I led the initial user acceptance testing activities:

1. **User Acceptance Testing (May 19-25)**
 - o Created UAT plan with detailed test scenarios
 - o Developed user guides and test materials
 - o Facilitated UAT sessions with stakeholders
 - o Documented user feedback and prioritized enhancements
 - o Implemented quick fixes for critical issues identified during UAT

Time spent: 16 hours

Completed WBS Items

- 4.4.2 Non-Core Interface Development (WBS Item, 26 hours) - 100% Complete
- 5.4 User Acceptance Testing (WBS Item, 12 hours) - 40% Complete

Challenges & Solutions

A significant challenge was reconciling different stakeholder preferences for dashboard layouts and visualization styles during UAT. I addressed this by:

1. Implementing user-customizable dashboard layouts
2. Creating preference profiles that can be saved and shared
3. Developing a flexible theming system to accommodate different visual preferences

Next Steps

1. Continue and expand user acceptance testing
2. Implement enhancements based on UAT feedback
3. Prepare final UI documentation for production
4. Create training materials for end-users

Total Hours Worked

Total hours for this reporting period: 32 hours