Daily Scrum Meeting Minutes
Sprint 2 - Meeting No. 3

JU_SIX_S

Date: November 8, 2024

Meeting Overview

- **Project**: Android App Development for National Disaster Response System

- **Sprint**: Sprint 2

- **Meeting No**: 3

- **Methodology**: Test-Driven Development (TDD)

- **Participants**: 6 team members

- **Meeting Purpose**: Daily Scrum to track progress and discuss blockers as Sprint 2 nears completion

Team Members and Assigned Features

1. **SF**: Notify Real Time Alerts

2. **SS**: Make Donation

3. **SM**: Assess Damage

4. **NA**: Report Incidents and Request Assistance

5. **SMN**: Coordinate Volunteers and NGO

6. **MS**: Get Shelter Information

Discussion Points

- **Progress Update**: Each member reported on their feature's development progress and testing outcomes.

    - **SF - Notify Real Time Alerts**: Initial tests for notification timing failed due to delayed triggers under low network conditions.
    Improvement: Consider implementing local caching for immediate alerts and optimizing retry intervals.

    - **SS - Make Donation**: Failed test cases related to incorrect payment gateway redirection and validation for donation amounts.
    Improvement: Focus on robust validation before transactions and additional tests for payment integration.

    - **SM - Assess Damage**: Image upload tests failed due to poor offline support.
    Improvement: Implement offline queueing for images and add caching to store assessment data until online.

    - **NA - Report Incidents and Request Assistance**: Tests failed in low-power mode due to background service interruptions.
    Improvement: Adapt for efficient background execution, ensuring incident reporting is not disrupted.

    - **SMN - Coordinate Volunteers and NGO**: Coordination request forms failed to load occasionally due to database sync issues.
    Improvement: Add caching and implement retries for smoother volunteer and NGO coordination during sync interruptions.

- **MS - Get Shelter Information**: Failed cases in location-based shelter searches under poor GPS signal conditions.
  Improvement: Implement approximate location fallback and optimize search response for low-accuracy GPS.

- **Testing Strategy and Improvements**: Team reinforced the importance of creating more edge-case tests to address failures. Continued focus on refining tests and resolving issues before final submission.

- **End of Sprint Planning**: Final tasks outlined to address failed test cases, ensure robust functionality, and prepare for Sprint 2 Review.

Action Items

- **SF**: Implement local caching and retry intervals for real-time alerts.

- **SS**: Strengthen validation on donation amounts and enhance payment gateway testing.

- **SM**: Add offline queueing for assessment data and enable caching for image uploads.

- **NA**: Optimize background operations for low-power mode support.

- **SMN**: Add retries and caching for database synchronization in coordination features.

- **MS**: Implement fallback for approximate location data in shelter information.

Next Steps

- Continue daily testing and troubleshooting.

- Prepare for Sprint 2 Review and Retrospective by finalizing remaining tasks and resolving blockers.

Minutes Taker: Sovon Mallick