


Sprint 02 Daily Scrum Report-04

Date:	November 13, 2024
Start Time:	10:30 PM
End Time:	11:30 PM
Meeting Platform:	Discord Stream Room
Methodology:	Test-Driven Development (TDD) and Continuous Integration (CI)
Attendees:	Syeda Faria Sithi (SF), Nasrin Akter Shimu (NA), Sovon Mallick (SM), Sunirmol Mollik Nil (SMN), Musfikus Salihin Sifat (MS), Sadman Sakib Sarkar (SS)
Minute Taker:	Syeda Faria Sithi (SF)

Meeting overview:

This final Scrum meeting of Sprint 2 focused on integration testing following the completion of individual TDD cycles. With the upcoming **Sprint 2 Review and Retrospective**, the team assessed the integration results, addressed persistent blockers, and made final preparations for the review.


Team Members and Assigned Features:

- **SF:** Notify Real-Time Alerts
 - **SS:** Make Donation
 - **SM:** Assess Damage
 - **NA:** Report Incidents and Request Assistance
 - **SMN:** Coordinate Volunteers and NGO
 - **MS:** Get Shelter Information
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Discussion Points:

1. Progress Updates and TDD Testing Results:

- **SF - Notify Real-Time Alerts:** Real-time alerts partially successful; Added test cases for real-time alerts.
 - **Problem faced:** Delays under network stress affecting notifications.
 - **Next Steps:** Adjust retry intervals and strengthen local caching.
 - **SS - Make Donation:** Integrated payment gateway and added validation tests.
 - **Problem faced:** Cross-platform issues with payment processing.
 - **Next Steps:** Continue CI compatibility testing.
 - **SM - Assess Damage:** Created tests for offline image uploads and queuing.
 - **Problem faced:** Queue issues on network reconnection.
 - **Next Steps:** Refine synchronization processes during reconnection and continue CI testing.
 - **NA - Report Incidents and Request Assistance:** Added more test cases for reportIncident function in viewmodel testing. Pushed it to the git. Used togggl for time management.
 - **Problem faced:** Couldn't retrieve data for showReportedIncident function. Data was not being mocked.
 - **Next Steps:** Create test cases for requestAssistance function in viewmodel. Try to implement CI
 - **SMN - Coordinate Volunteers and NGO:** Implemented tests for database sync and coordination requests.
 - **Problem faced:** Sync delays under high load.
 - **Next Steps:** Increase retry mechanisms and caching for improved data sync reliability.
 - **MS - Get Shelter Information:** Added test cases for GPS fallback and location-based search.
 - **Problem faced:** Mapping inaccuracies with GPS fallback
 - **Next Steps:** Calibrate approximate location accuracy for better mapping responses.
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2. Feedback and Lessons from Continuous Integration Testing:

- **Identified Challenges:** Persistent issues with integration of components highlight a need for refining continuous integration practices. Team faced challenges with asynchronous processes, delayed alerts, and handling offline-to-online transitions.

3. End-of-Sprint Readiness:

- Each feature has passed individual TDD cycles and initial CI checks.
- Remaining blockers were addressed, with final integration tests scheduled ahead of the Sprint 2 Review.

Next Steps:

- **Continue Integration Testing:** Resolve remaining issues and document outcomes for Sprint 2 Review.
- **Prepare Sprint Review Documentation:** Finalize feature demonstrations and integrate CI testing results.