


## Sprint 02 Daily Scrum Report-04

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