

**Progress Update | Sprint 6**  
**November 8, 2025 | G-Cache**  
**Sprint 6 Percentage Completion: 50%**  
**Project completion: 20/44 — 45.45%**

▼ SPRINT 5 [Notes, Reports and Analytics]	In progress			
CRUD Session Notes	Done	Daniel Victorioso	October 25, 2025 → October 31, 2025	Back End
Session Summaries	Done	Gerald Mamasalanang	October 25, 2025 → October 31, 2025	Back End
Hours Spent	Done	Gerald Mamasalanang	October 25, 2025 → October 31, 2025	Back End
Activity Trends	Done	Daniel Victorioso	October 25, 2025 → October 31, 2025	
+ New sub-item				
▼ SPRINT 6 [Security]	In progress			
SSL Setup	In progress	Daniel Victorioso Gerald Mamasalanang	November 1, 2025 → November 8, 2025	Back End
Input Validation & Sanitization	Done	Daniel Victorioso	November 1, 2025 → November 8, 2025	Back End
+ New sub-item				

**Sprint 6** is progressing with a clear focus on security and domain layer refinement. Input Validation & Sanitization is completed, while SSL Setup is underway. *CRUD Session Notes and Activity Trends features from Sprint 5 were also completed.* Significant backend work was completed on fixing the domain layer, including aggregates, business logic, soft deletion, factories, repositories, and authentication service alignment with DDD principles.

### Sprint Retrospective

#### What went well:

- Fixed aggregates: User, Activity, Category, PomodoroSession to properly enforce relationships.
- Fixed business logic in aggregates:
  - User: email verification, activation/deactivation, manage activities and categories.
  - Activity: manage Pomodoro sessions, update details, deactivate.
  - PomodoroSession: start, complete, increment cycles, soft delete (isActive).
- Fixed soft deletion consistently across entities using isActive.
- Fixed factories for user and session/activity creation.
- Fixed domain repositories: UserRepository, ActivityRepository, PomodoroSessionRepository.
- Fixed Spring Data JPA adapters for repository persistence.
- Fixed AuthService and registration/login logic to align with the updated User aggregate.

#### What could be improved:

- Earlier alignment on domain layer architecture.
- More comprehensive testing added alongside domain fixes.

#### What needs to be done (for sprint 7):

- Fixing of application layer and infrastructure layer.
- SSL setup completion.