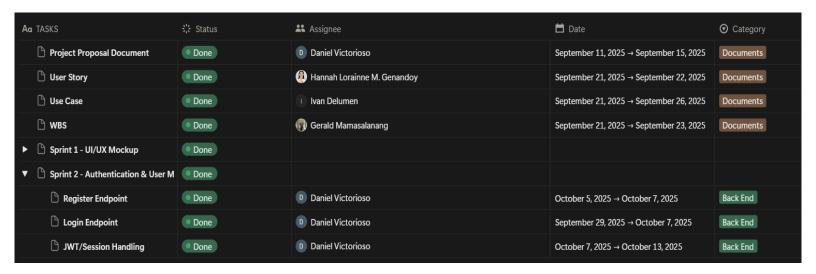
Progress Update | Sprint 2 October 11, 2025, | G-Cache

Sprint 2 percentage completion: 100%

Project percentage completion: $8/44 \rightarrow 18.18\%$



Sprint 2 delivered the complete authentication system for onboarding and access. Our backend developer completed the three core tasks: **User Registration** and **Login endpoints** under *api/v1/auth*, implementing strong request validation via Jakarta Validation for username, email, and password constraints, secure password hashing with *PasswordEncoder*, and data access through the user repository and factory patterns. Additionally, **JWT/Session Handling** was fully implemented, providing secure token-based authentication with refresh token management via *HttpOnly cookies*, session persistence, and proper authorization middleware. The controller-service layering ensures clean separation of HTTP concerns from business logic, creating a robust foundation for authenticated user operations.

Sprint Retrospective:

What went well:

- Complete authentication system delivered on schedule.
- Strong validation and security practices implemented.
- Clean architecture with proper separation of concerns.

What could be improved:

• Earlier integration testing to catch edge cases sooner.

What needs to be done (for Sprint 3):

- Implement Profile & Account Deletion endpoints with proper authorization.
- Add comprehensive unit/integration tests for all auth flows.
- Update API documentation for completed authentication endpoints.