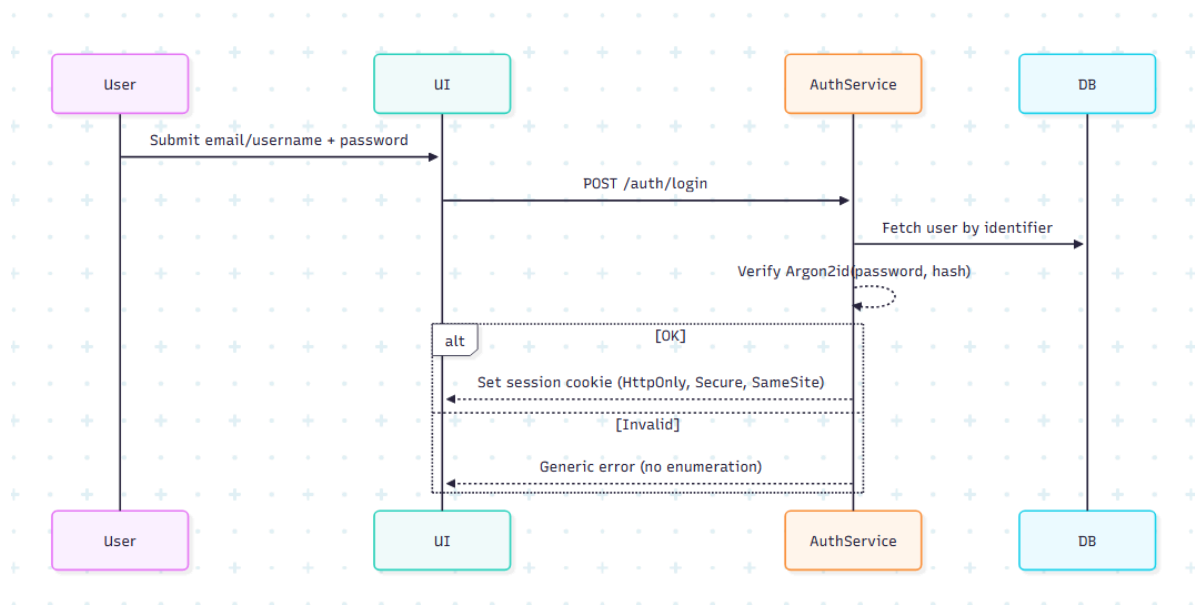


Maintenance Planning

Local User Login

High-Level Design (UML & Architecture)

Sequence Diagram



Functional Requirements

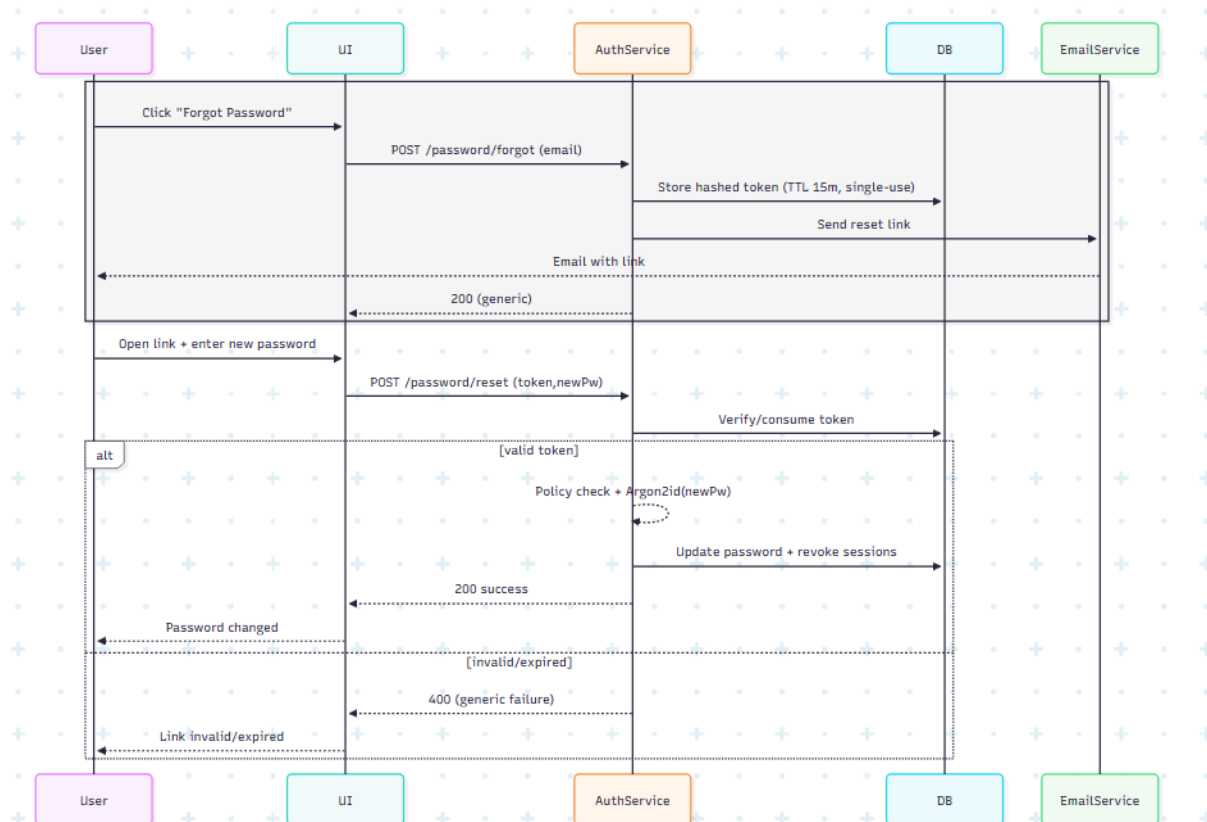
Architecture Review

- UI: Low Importance — single login page.
- Logic: High Importance — auth flow, session issuance, audit.
- Data: Low–Moderate Importance — users table, login_attempts.

Self-Service Password Reset

High-Level Design (UML & Architecture)

Sequence Diagram



Architecture Review

Most Impacted Layer: Logic Layer (Business Logic / Application Layer)

The self-service password reset feature primarily affects the Logic Layer because it introduces new authentication and validation workflows. This includes verifying user identity via email or security questions, generating and validating reset tokens, and securely updating passwords in the database. While minor updates may be required in the Presentation Layer and Data Layer, the core functionality, such as handling requests, enforcing password policies, and managing security, is implemented in the Logic Layer.