DigiMed

Your All-Inclusive Medical Software

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Sprint Backlog

Updated Architecture

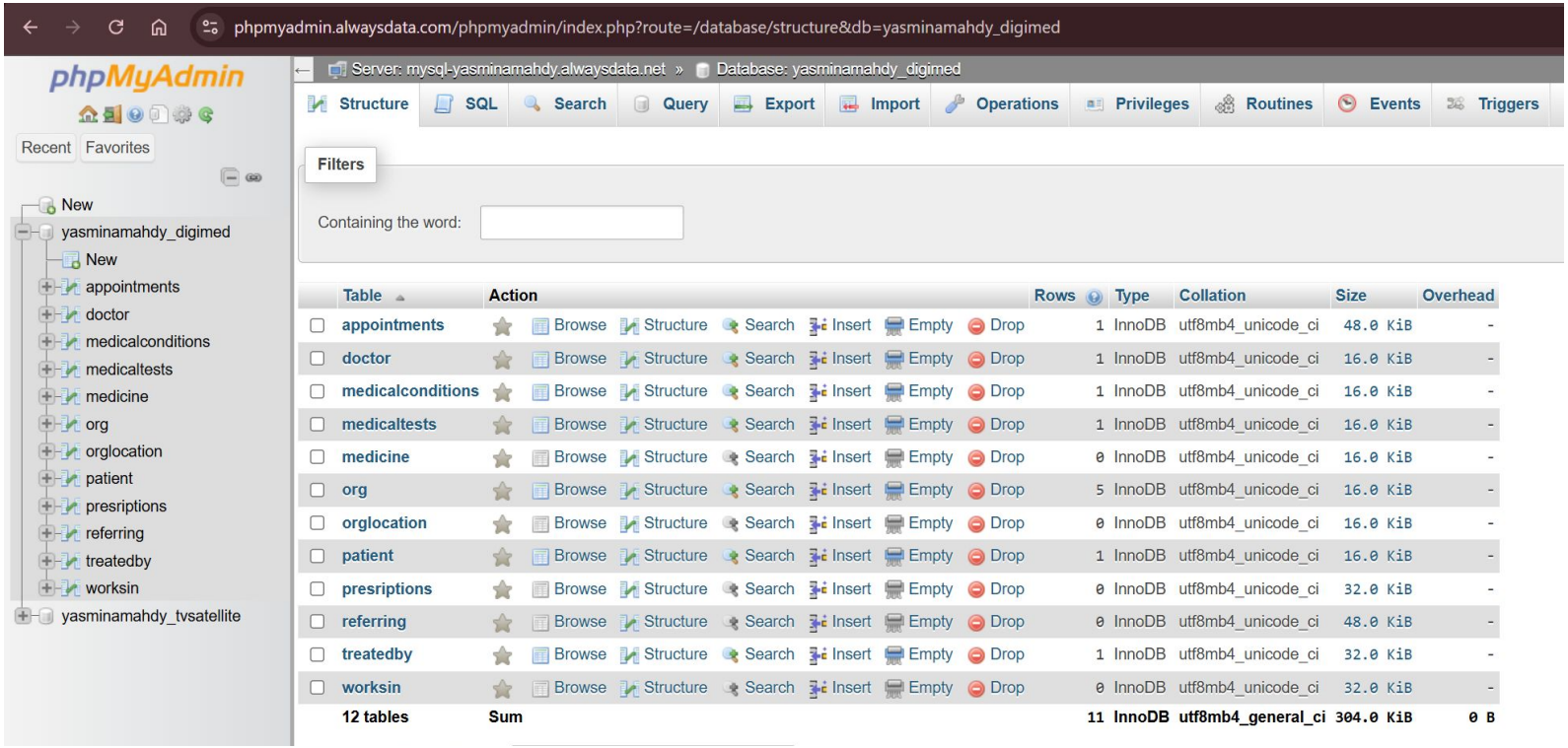
Updated Use Case

ERD

Class Diagrams

DBSM Class Diagrams

Deployed Database



Patient Medical Records Management Service

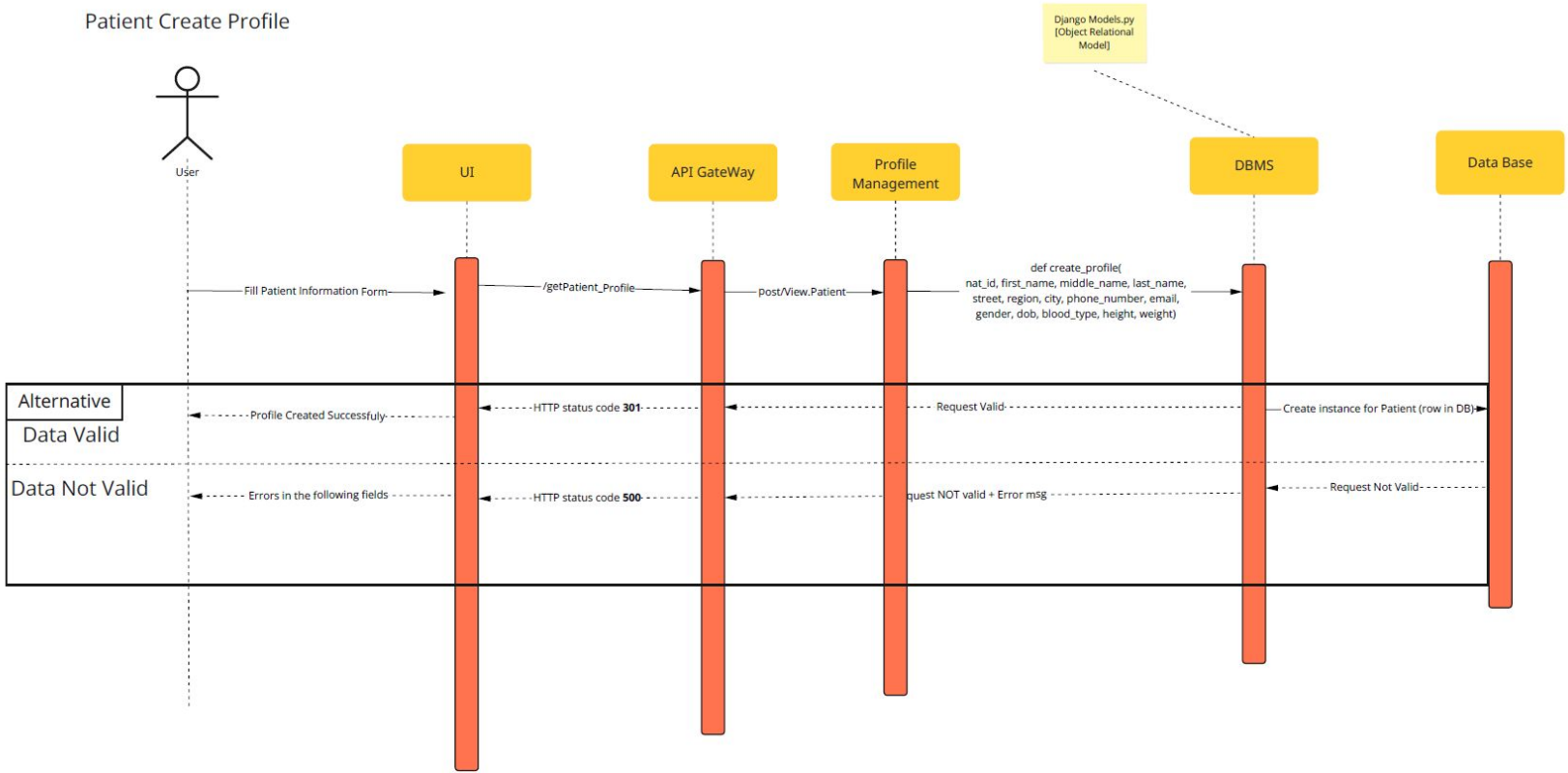
Class Diagram

Sequence Diagrams

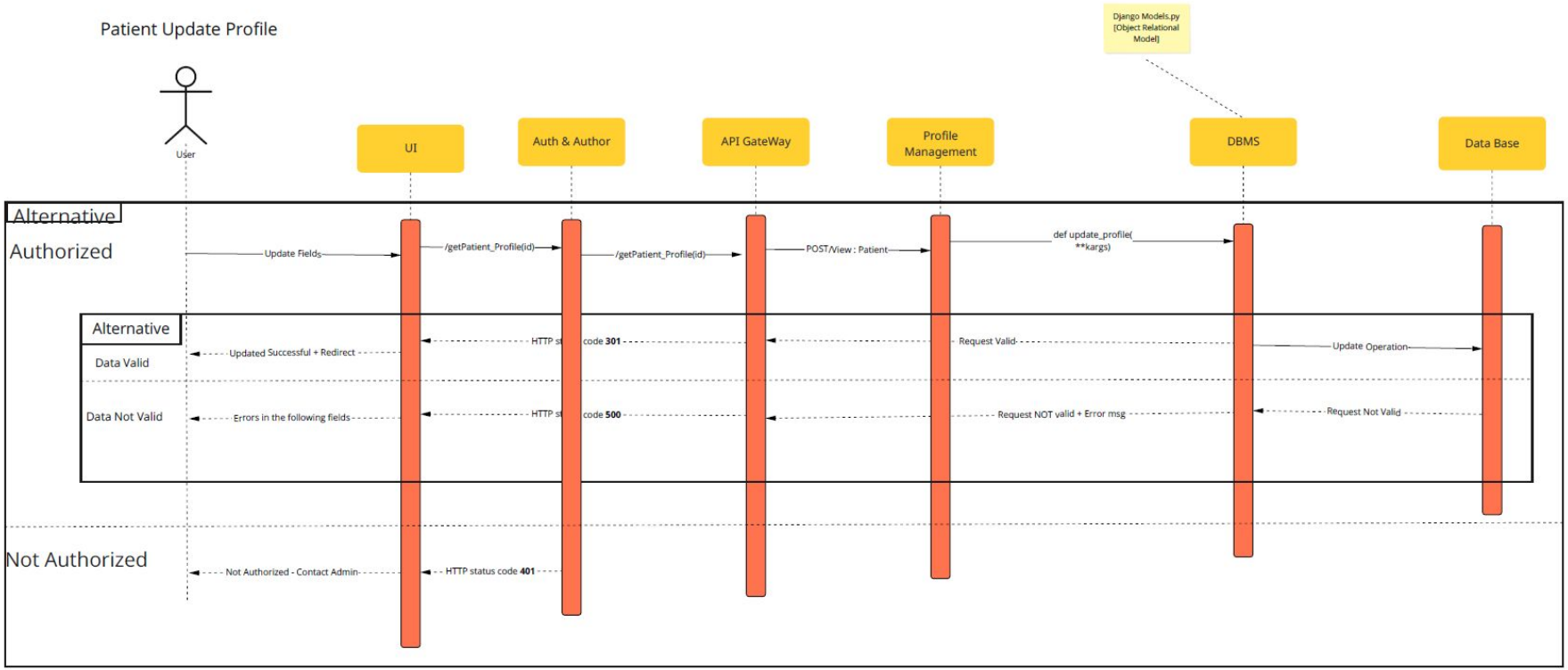
Patient Medical Records Management Service

Sequence Diagrams

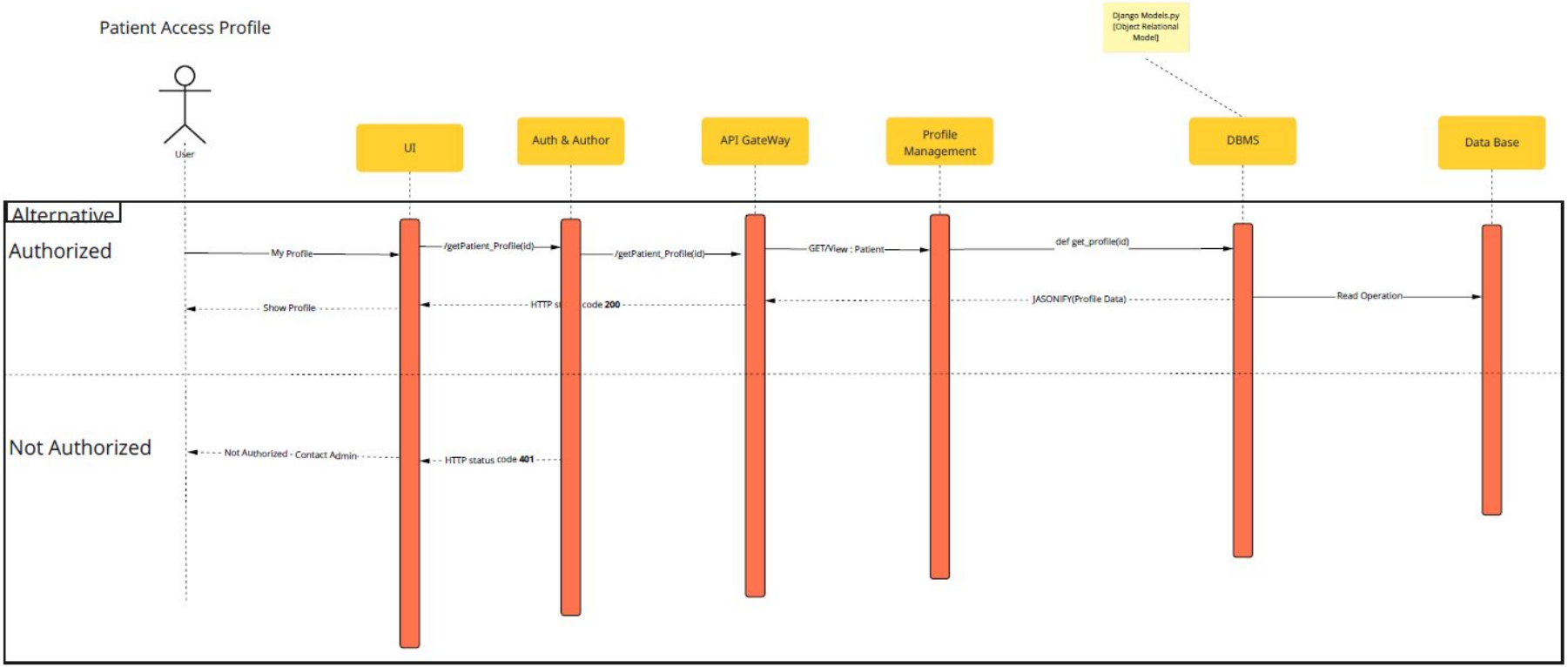
Patient Create Profile LINK



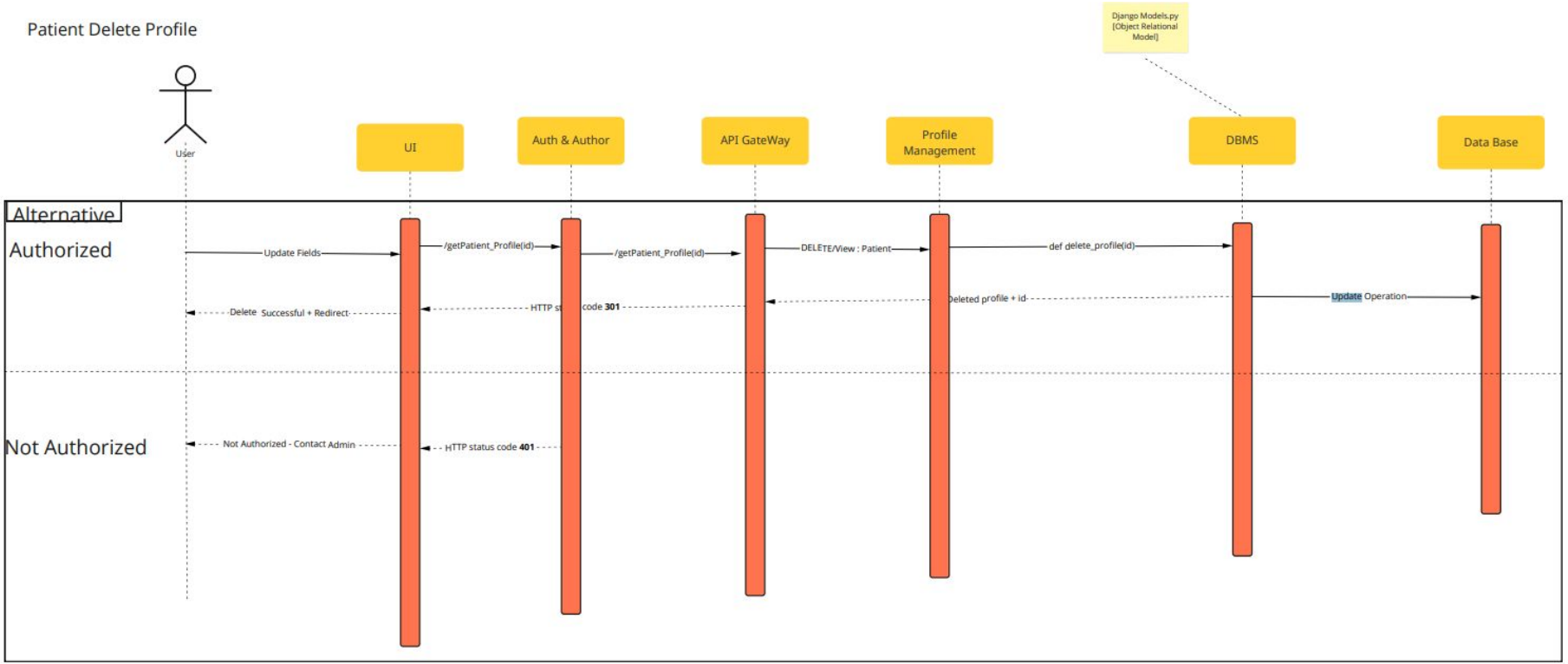
Patient Update Profile



Patient Access Profile



Patient Delete Profile



Deployment Diagram

Deployment Diagram

Azure Deployment Diagram

Data Flow Diagram

Testing Methodology

Unit Testing with Dependency Mocking (edit wording)

Objective: Isolate and test individual functions to ensure each one works correctly on its own.

Methodology:

1. **Patch the gRPC Stub**: Use @patch to mock the gRPC client stub so the test doesn't make real external calls.
2. **Set Up the Test Client**: In the setUp method, initialize the Service test client (app.test_client()) to enable simulated HTTP requests to the service endpoints in a controlled environment.
3. **Mock gRPC Methods**: Inside setUp, create a mock for each gRPC method you plan to call to control and inspect its behavior.
4. **Define Expected gRPC Request**: For each test, define the expected gRPC request using the appropriate protobuf message, ensuring fields match the JSON input data.
5. **Send Request to Service Endpoint**: Use the test client to send a request (e.g., POST, GET, PUT) to the Service endpoint, including the JSON payload or URL parameters as appropriate for the endpoint being tested.
6. **Assert gRPC Call**: Check that the mocked gRPC method was called exactly once and with the expected request parameters. This ensures the endpoint correctly processes and forwards the data to gRPC.
7. **Verify HTTP Response**: Confirm that the response status code and JSON data returned by the Service route match the expected output, verifying the endpoint's overall functionality.

FIGMA

https://www.figma.com/design/VmxFi5IPEYapjk0wBXWD0d/Digimed?node-id=0-1&t=9JfZm0rCOV33PZie-1

FrontEnd

Sprint Retrospective