Sprint Review Document – Sprint 1

Sprint Pod Name: MediConnect_Backend_Team
Sprint Number: 1
Submission Date: 17/06/25

What Was Planned vs. Delivered

Planned	Delivered
Design ER Diagram for Patients, Doctors, Appointments, and MedicalCases	✓ Completed and normalized ERD
Create Java classes using interfaces and inheritance	✓ Implemented Patient, Doctor, and Appointment classes
Write SQL CRUD queries	✓ Completed and tested for core entities
Integrate JDBC logic for patient records	✓ Connected Java with MySQL and enabled basic operations
Implement exception handling and appointment queue	✓ Handled invalid inputs, used Queue for scheduling
Use Date/Time API for appointment timestamps	✓ Successfully logged and displayed timestamps

Challenges Faced

- Creating a normalized ER model without redundant relations

- Managing database connectivity and query execution across multiple tables

- Exception handling in real-time user input and SQL errors

- Working with the Date/Time API and formatting outputs properly

Learnings

- Practical experience in applying object-oriented design using Java

- Solid understanding of relational database design and SQL operations

- Effective use of JDBC for backend connectivity

- Hands-on implementation of exception handling and data/time management