Documentation – Sprint 2 (Notifications Feature)

1. Feature Name

Health Alerts (Admin → Patient)

2. Overview

This feature enables admins to create and publish community health alerts such as vaccination drives, blood donation camps, or public health announcements.

Patients can view these alerts in their dashboard and stay informed about upcoming health events.

3. Objectives

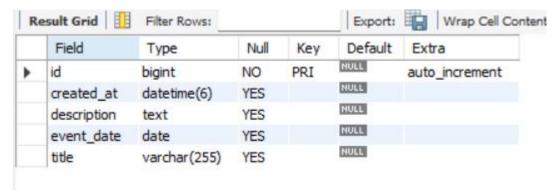
- Allow admins to share important community health events with users.
- Provide patients with upcoming alerts and event details.
- Improve engagement and awareness in the healthcare system.

4. Scope (Sprint 2)

- Admin can create, view, edit, delete health alerts.
- Patients can view the list of upcoming alerts.

5. Database Design

Table: health alerts



6. APIs (Spring Boot)

- POST /health-alerts → Admin creates a new alert.
- GET /health-alerts → Fetch all alerts.
- GET /health-alerts/upcoming → Fetch only upcoming alerts (alert_date ≥ today).
- PUT /health-alerts/ $\{id\}$ \rightarrow Update existing alert.
- DELETE /health-alerts/ $\{id\}$ \rightarrow Delete alert.

7. Frontend (React)

- o Admin Panel
 - Page: Manage Alerts
 - Form fields: Title, Description, Alert Date
 - Actions: Add, Edit, Delete
- o Patient Dashboard
 - Page: Upcoming Health Alerts
 - Display list of alerts: Title, Description, Date

8. Expected Output

- Admin: Can successfully publish new alerts visible to all users.
- Patient: Can view list of upcoming health alerts in dashboard.
- System: Stores alerts in health alerts table, filters by date for upcoming events.