

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

Result Grid		Filter Rows:		Export:		Wrap Cell Content
	Field	Type	Null	Key	Default	Extra
▶	id	bigint	NO	PRI	NULL	auto_increment
	created_at	datetime(6)	YES		NULL	
	description	text	YES		NULL	
	event_date	date	YES		NULL	
	title	varchar(255)	YES		NULL	

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} → Update existing alert.
- DELETE /health-alerts/{id} → Delete alert.

7. Frontend (React)

- Admin Panel
 - Page: Manage Alerts
 - Form fields: Title, Description, Alert Date
 - Actions: Add, Edit, Delete
- 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.