USER

Application layer

Retrieval of
Records and data

upload and updation of
medical records and data

Notification Hubs

Notification via
email or sms

request for upload

retrival of records
and data

notify subscriber

API Layer

API Gateway

**Trigging of
notification
process**

Notification layer

Simple Notification
Service

user_subscription_handler
1)subscribe_topic
2)unsubscribe
3)notify_subscriber

Notification
1) Patient _ID
2) File_Standard
3) Institution_ID

**API_Factory
create_Service_api**

API_service

1) Notificationhandler

2) record_upload_retrive

3) subsrciption_handler

4) api_retrival_standard

**storing
of records**

**record
retrival**

Database layer

Healthcare Records