



DMDD Final Project Fall 2021

Darshan Dedhia - 001054816
Jai Devmane - 001059127
Ruchit Gandhi - 001067481
Shubham Jain - 001083883



Problem Statement

01

**Manual Paperwork
for Doctors and
Patients**

02

**Data distributed
over multiple
systems**

03

**No centralized
platform for
stakeholders**

04

Data redundancy

Solutions

01

Digitization of records

To aid doctors in making medical decisions based on previous medical history

02

Centralization of records

Enabling analysis and potential preventive care

03

Preventive Care

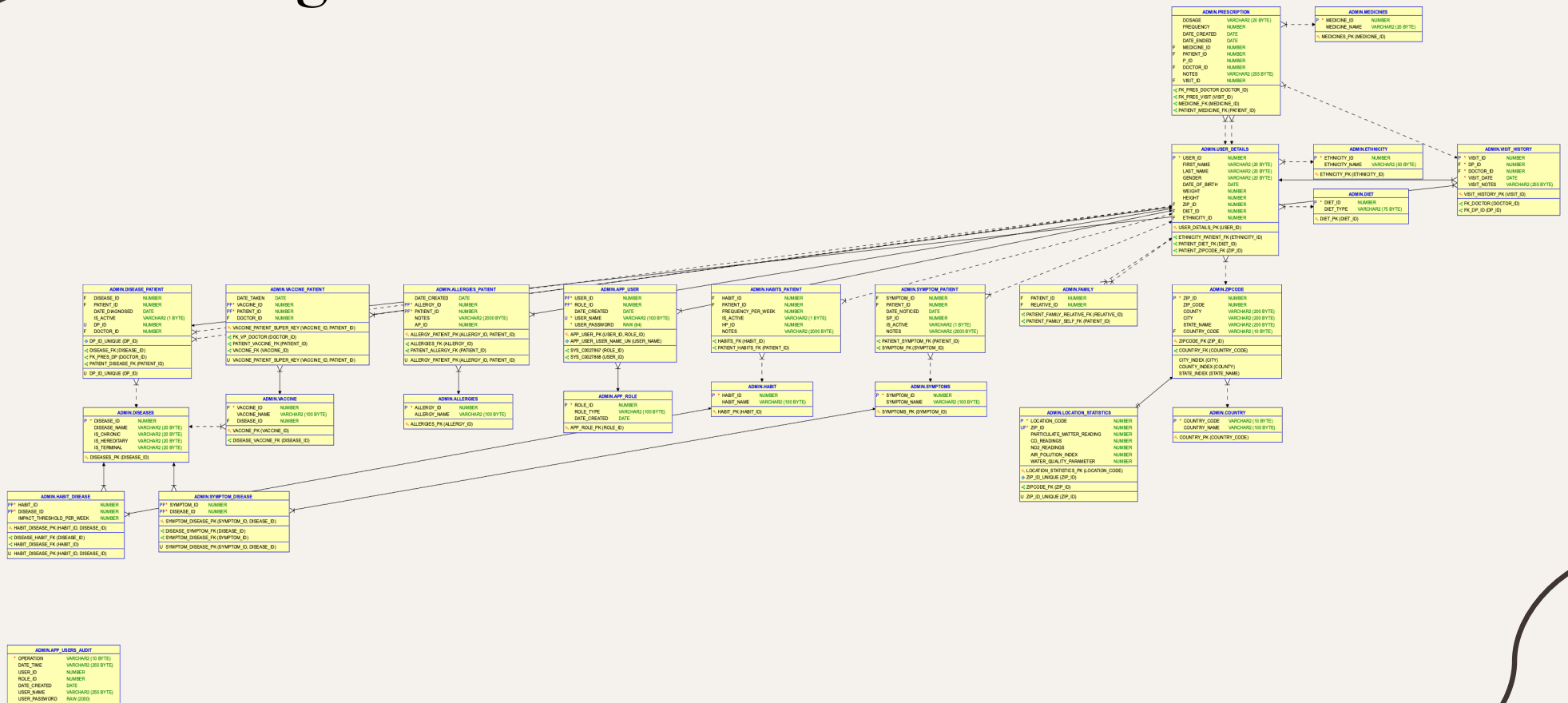
Enables preventive care for genetically susceptible diseases

04

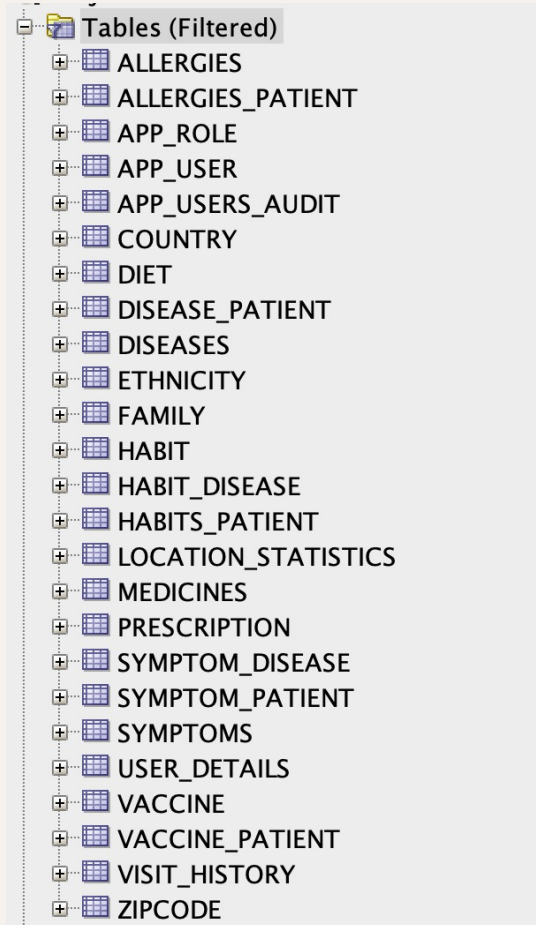
Lifestyle based Analysis

Location based analysis of pollution and other lifestyle factors

ER Diagram

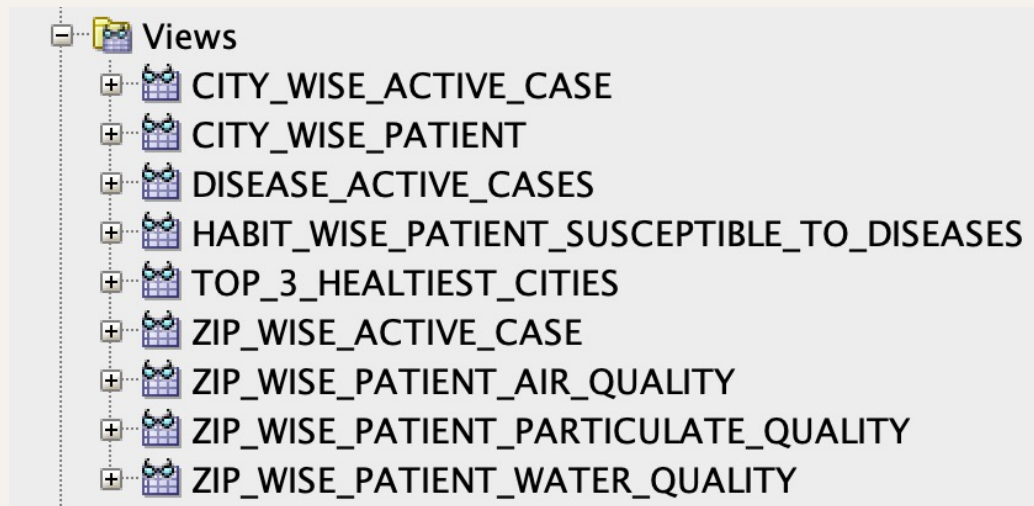


Tables

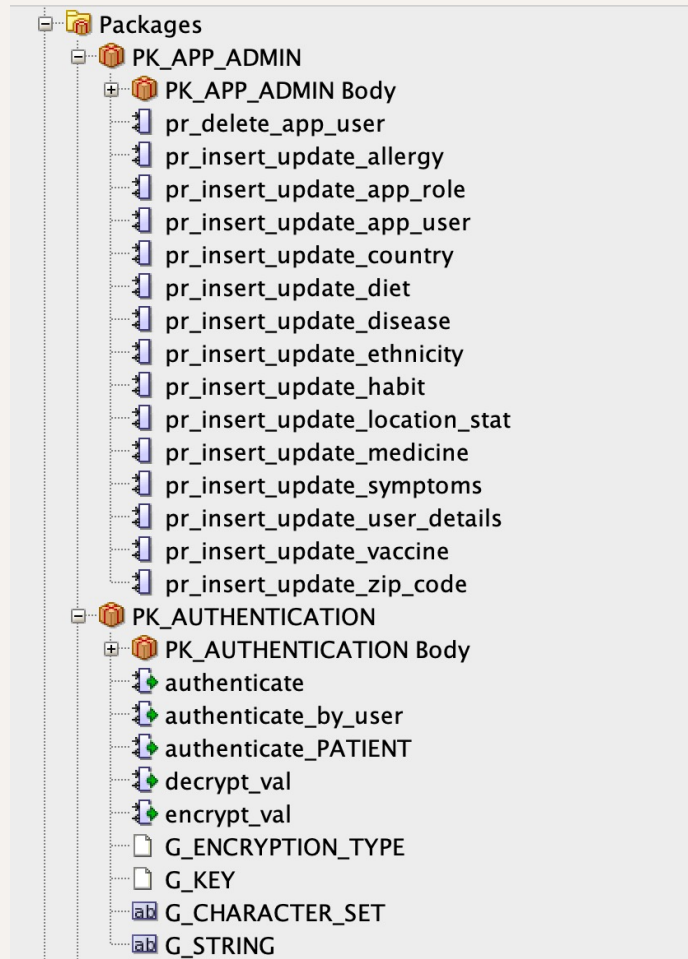
A screenshot of a database management system's table list. The title is "Tables (Filtered)". Below the title is a vertical list of 25 tables, each preceded by a small icon of a table grid and a plus sign. The tables are: ALLERGIES, ALLERGIES_PATIENT, APP_ROLE, APP_USER, APP_USERS_AUDIT, COUNTRY, DIET, DISEASE_PATIENT, DISEASES, ETHNICITY, FAMILY, HABIT, HABIT_DISEASE, HABITS_PATIENT, LOCATION_STATISTICS, MEDICINES, PRESCRIPTION, SYMPTOM_DISEASE, SYMPTOM_PATIENT, SYMPTOMS, USER_DETAILS, VACCINE, VACCINE_PATIENT, VISIT_HISTORY, and ZIPCODE.

Tables (Filtered)	
+	ALLERGIES
+	ALLERGIES_PATIENT
+	APP_ROLE
+	APP_USER
+	APP_USERS_AUDIT
+	COUNTRY
+	DIET
+	DISEASE_PATIENT
+	DISEASES
+	ETHNICITY
+	FAMILY
+	HABIT
+	HABIT_DISEASE
+	HABITS_PATIENT
+	LOCATION_STATISTICS
+	MEDICINES
+	PRESCRIPTION
+	SYMPTOM_DISEASE
+	SYMPTOM_PATIENT
+	SYMPTOMS
+	USER_DETAILS
+	VACCINE
+	VACCINE_PATIENT
+	VISIT_HISTORY
+	ZIPCODE

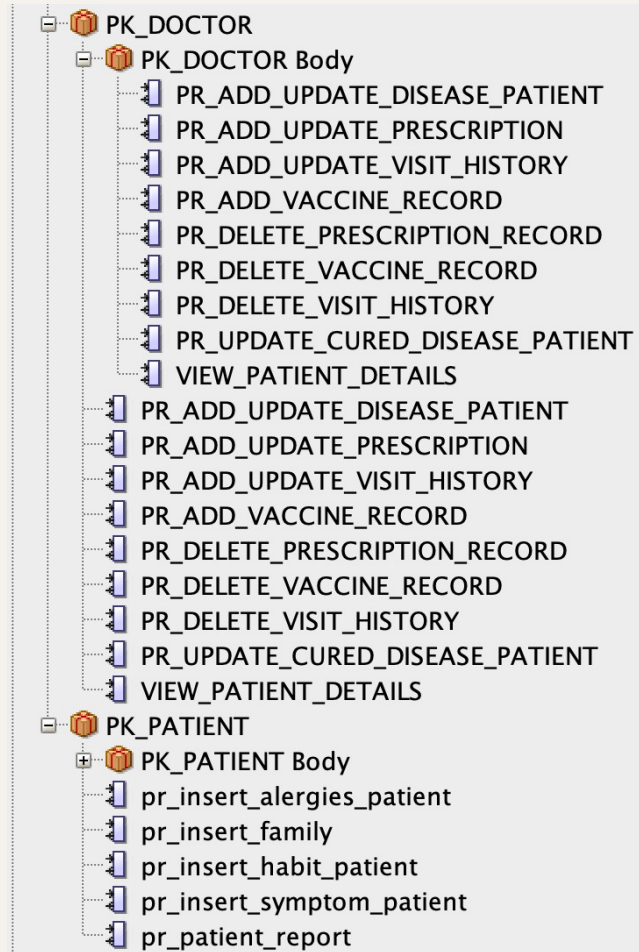
Views



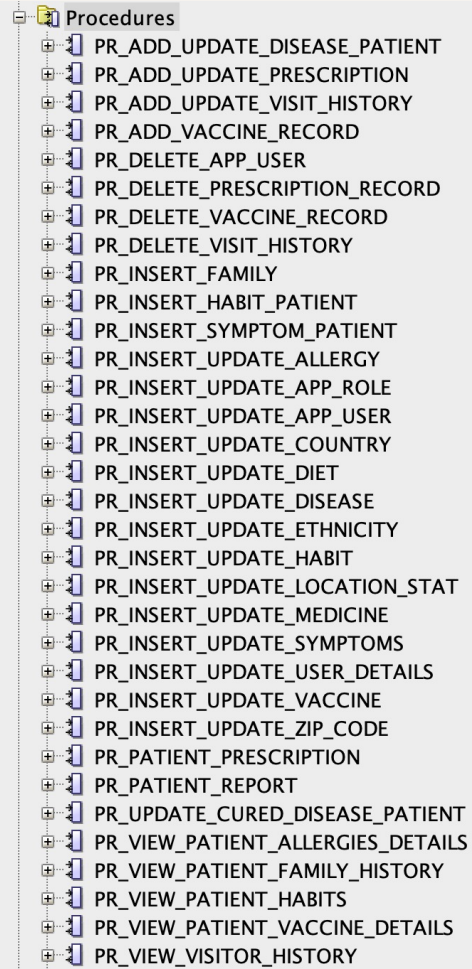
Packages



Packages



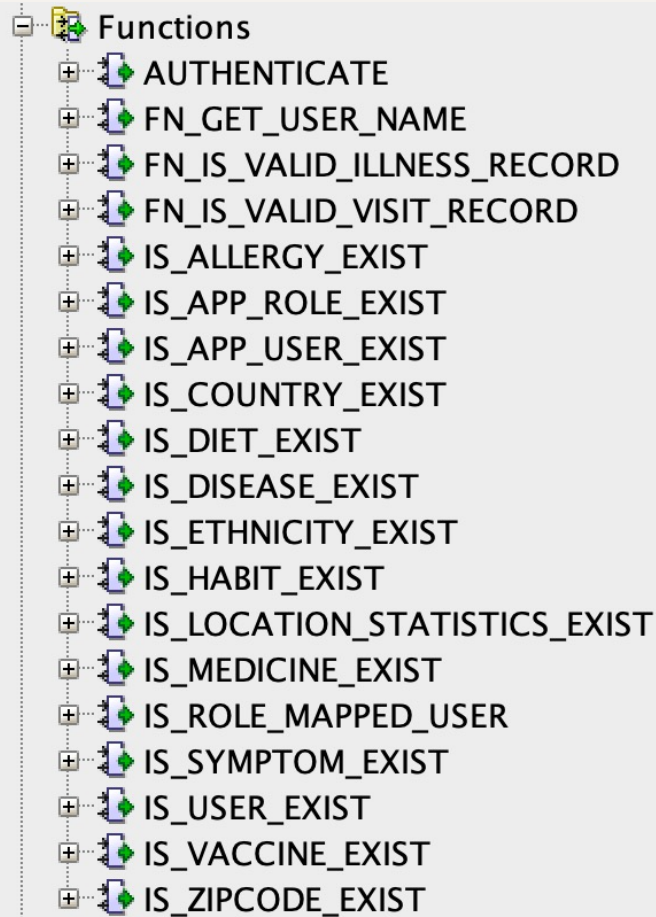
Procedures



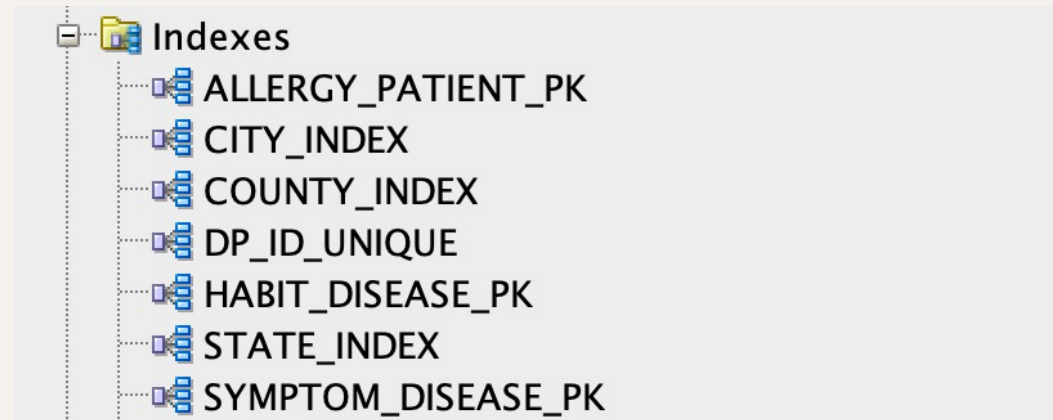
The screenshot displays a database schema tool interface. On the left, a tree view shows a folder named 'Procedures'. To the right of this folder, a list of 34 database procedures is displayed. Each procedure name is preceded by a small icon consisting of a document with a folded corner and a vertical line. The procedures are organized into three groups: 14 'PR_INSERT_UPDATE_' procedures, 10 'PR_DELETE_' procedures, and 10 'PR_VIEW_' procedures. The names of the procedures include various database entities such as PATIENT, PRESCRIPTION, VISIT_HISTORY, VACCINE_RECORD, APP_USER, FAMILY, HABIT, SYMPTOM, ALLERGY, APP_ROLE, COUNTRY, DIET, ETHNICITY, LOCATION_STAT, MEDICINE, USER_DETAILS, and ZIP_CODE.

- PR_ADD_UPDATE_DISEASE_PATIENT
- PR_ADD_UPDATE_PRESCRIPTION
- PR_ADD_UPDATE_VISIT_HISTORY
- PR_ADD_VACCINE_RECORD
- PR_DELETE_APP_USER
- PR_DELETE_PRESCRIPTION_RECORD
- PR_DELETE_VACCINE_RECORD
- PR_DELETE_VISIT_HISTORY
- PR_INSERT_FAMILY
- PR_INSERT_HABIT_PATIENT
- PR_INSERT_SYMPTOM_PATIENT
- PR_INSERT_UPDATE_ALLERGY
- PR_INSERT_UPDATE_APP_ROLE
- PR_INSERT_UPDATE_APP_USER
- PR_INSERT_UPDATE_COUNTRY
- PR_INSERT_UPDATE_DIET
- PR_INSERT_UPDATE_DISEASE
- PR_INSERT_UPDATE_ETHNICITY
- PR_INSERT_UPDATE_HABIT
- PR_INSERT_UPDATE_LOCATION_STAT
- PR_INSERT_UPDATE_MEDICINE
- PR_INSERT_UPDATE_SYMPTOMS
- PR_INSERT_UPDATE_USER_DETAILS
- PR_INSERT_UPDATE_VACCINE
- PR_INSERT_UPDATE_ZIP_CODE
- PR_PATIENT_PRESCRIPTION
- PR_PATIENT_REPORT
- PR_UPDATE_CURED_DISEASE_PATIENT
- PR_VIEW_PATIENT_ALLERGIES_DETAILS
- PR_VIEW_PATIENT_FAMILY_HISTORY
- PR_VIEW_PATIENT_HABITS
- PR_VIEW_PATIENT_VACCINE_DETAILS
- PR_VIEW_VISITOR_HISTORY

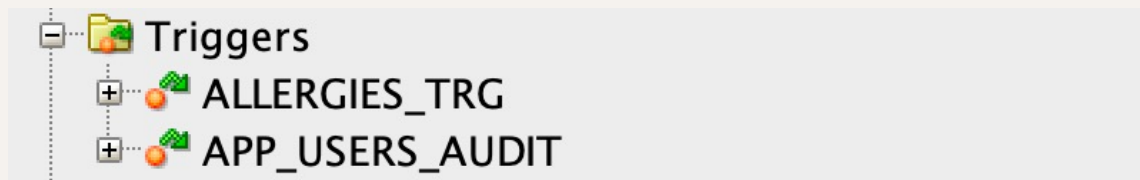
Functions



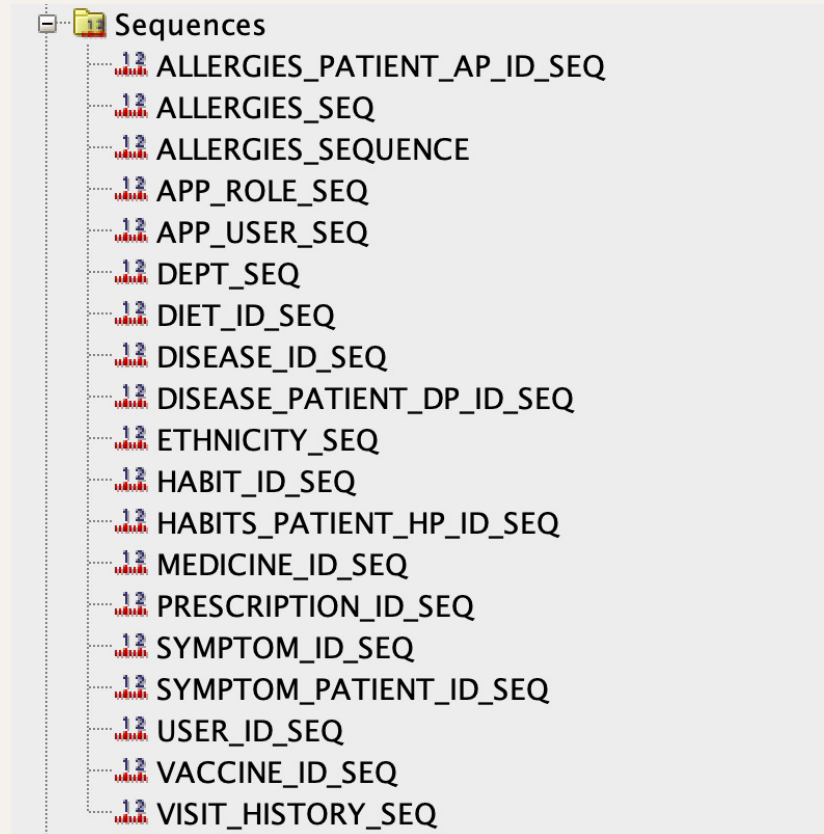
Indexes



Triggers



Sequences



Contributions

**Darshan – packages, procedures
and functions related to Doctor**

**Ruchit – packages, procedures
and functions related to Patient**

**Shubham – packages, procedures
and functions related to App
Admin**

**Jai – packages, procedures and
functions related to Pharmacist**

Thank You

Happy Holidays!!

A huge thanks to
Northeastern

Aaaaaand it's a wrap for our M.S !!
Woohoo!!
