



# COVID-19 HACKATHON

## DISASTER RISK MANAGEMENT APPLICATION

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# COVID - 19 NATIONAL BIO INFORMATICS ONLINE HACKATHON FOR FULL STACKERS

 [covid19hackathon.in](https://covid19hackathon.in)

**THIRD ROUND FROM 11th JUNE, 2020 UPTO 31 JULY, 2020**

Challenging Full Stackers to build community health  
Information system Apps & mobile responsive web for Indian  
states.





# COVID-19 HACKATHON

- I had Developed An Disaster Risk Management Application for 34 States with the 8 Modules
- Modules Are
  - Doctor Appointment , Hospital Admission
  - Personal Pass ,Essential Transport Pass
  - Counseling , Toll free Number Integration
  - Online courses , Near by Medical shops



# COVID-19 HACKATHON

- Platform Used :
  - Android Studio (Java)
  - Database(Firebase)

Application Size (Mb)-19.2



# 1) Toll-Free Number Integration

- Categories into Two Modes
  - Online mode
  - Offline mode
- Offline mode
  - General common numbers and calling functions
- Online mode
  - City wise Hospital and Blood Bank details
  - Numbers and Calling functions



# Toll-Free Number Integration Demo



The background of the slide features a vibrant orange and yellow gradient. On the left side, there are several stylized virus particles with spherical bodies and protruding spikes. A large, thick, curved rainbow-like arc in shades of yellow and orange sweeps across the top and right side of the slide, framing the text area.

## 2) Near by Medical shop

- Showing Near by Medical Shop
- Near by Around 1-15 kms
- Direct Navigation Options

# Near by Medical shop - Demo







### 3) Hospital Admission

- Providing Application Form
- Tracking System
- Confirmation Mail

# Hospital Admission Demo



The background of the slide features a vibrant orange and yellow gradient. On the left side, there are several stylized virus particles, each with a spherical body and multiple protruding spikes. A large, thick, curved arc in shades of yellow and orange sweeps across the upper portion of the slide, framing the text area.

## 4) Counselling for patients and family

- most common Attacks
- Providing Full Details of virus
- Prevention methods
- Way of photos and videos

# Counselling for patients and family Demo







## 5) Online vocational Training

- online free studying website
- Website covering Details
- Direct Launch to Websites option

# Online vocational Training Demo





## 6) Doctor Appointment ,Personal Pass And Transport Pass

- Similar to Hospital Admisson
- separate application forms
- separate Tracking System
- Confirmation Mail

# Doctor Appointment, Personal Pass & Transport Pass Demo



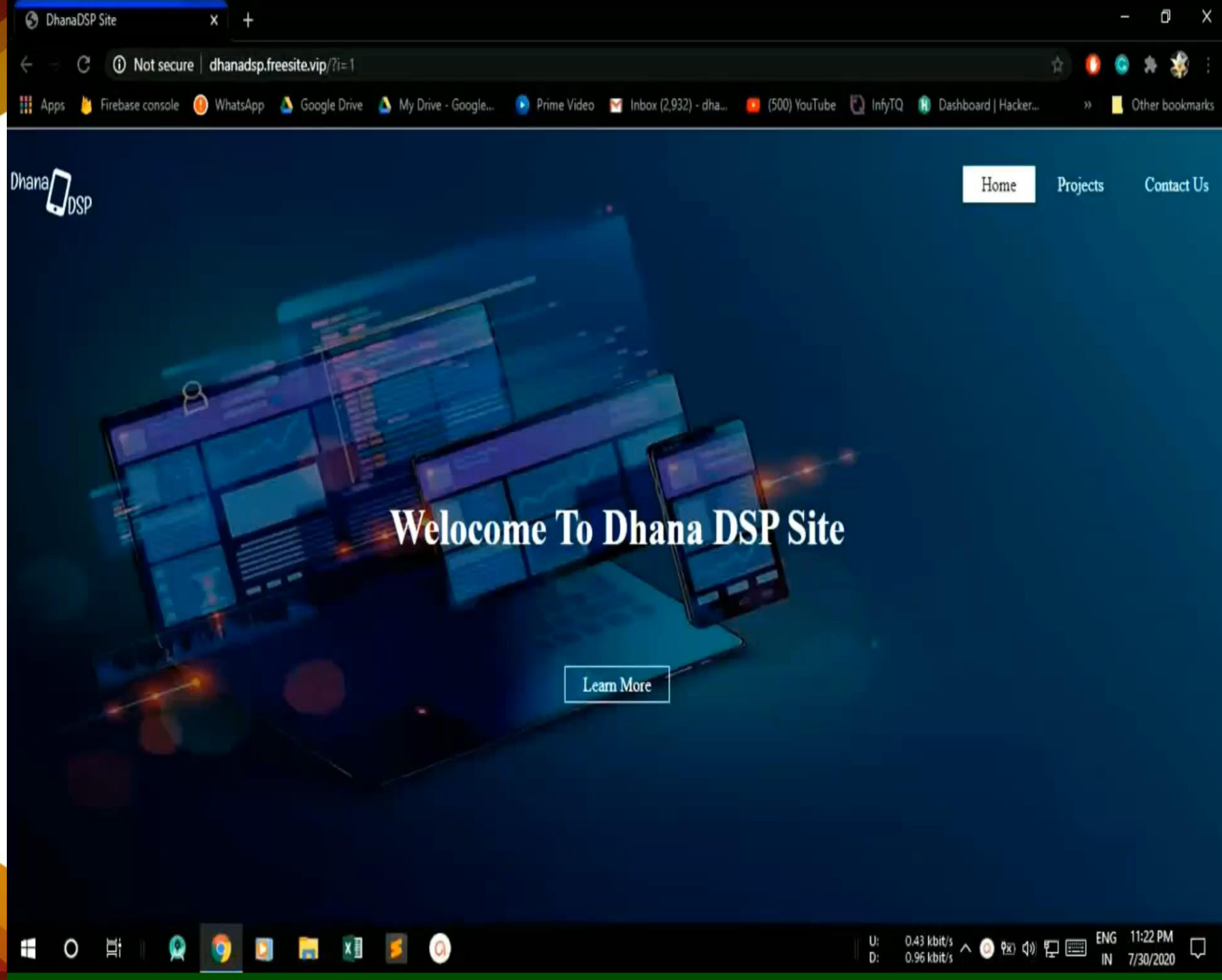




## Admin Side

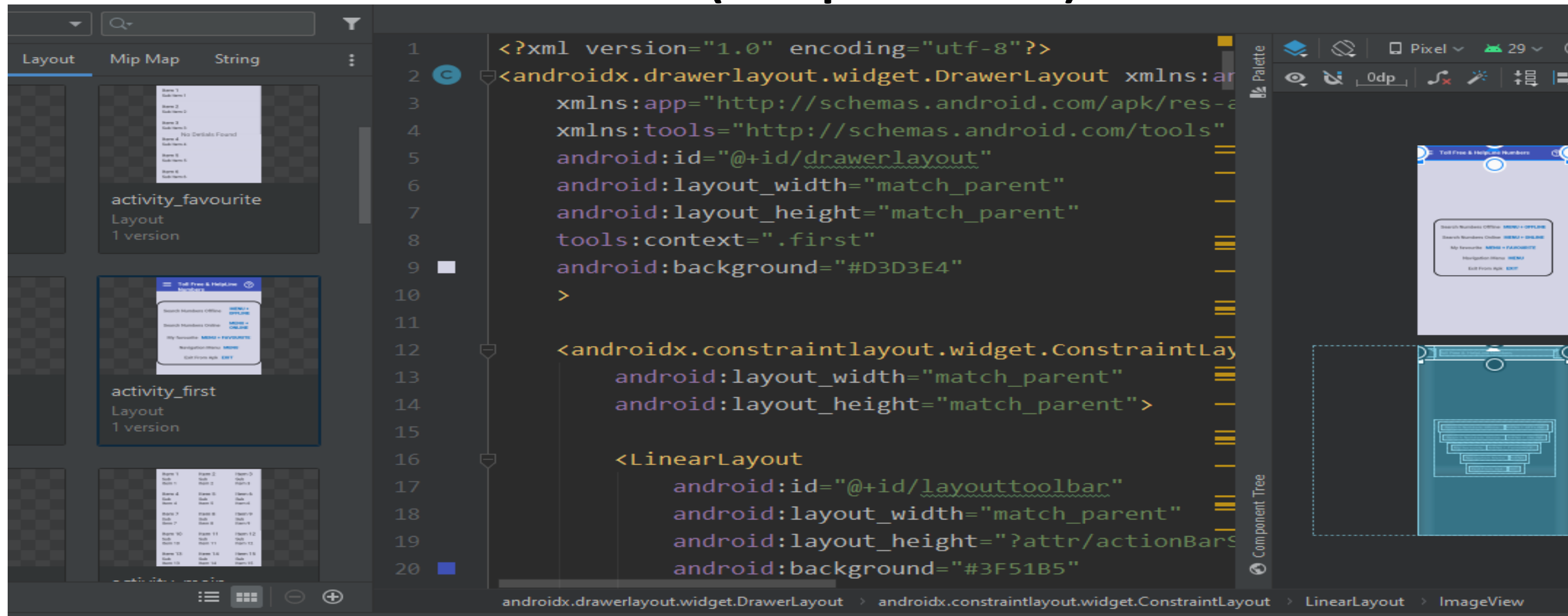
- For , Doctor Appointment ,Hospital Admission Person Pass and Transport Pass
- You can see the application details
- You Accept or Reject Options

# Admin side Demo



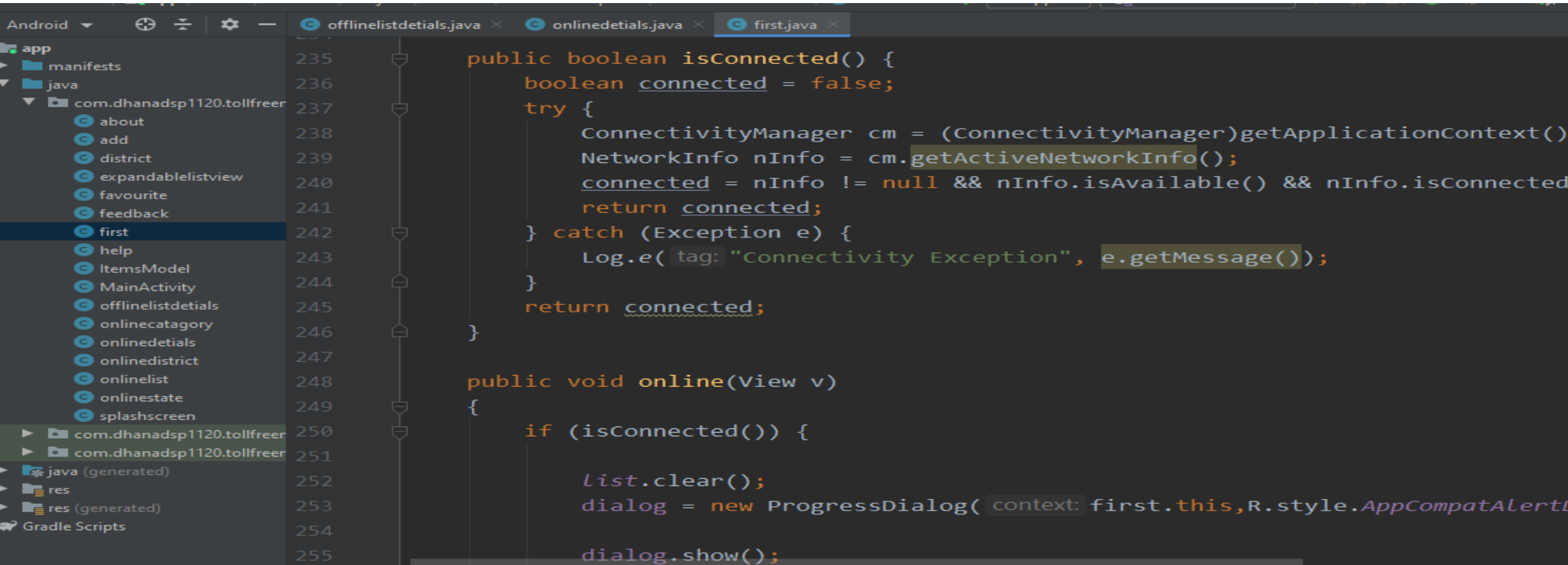
# COVID-19 HACKATHON

## Front-end(Sample Picture)



# COVID-19 HACKATHON

## Back-end(Sample Picture)



```
235 public boolean isConnected() {
236     boolean connected = false;
237     try {
238         ConnectivityManager cm = (ConnectivityManager)getApplicationContext()
239         NetworkInfo nInfo = cm.getActiveNetworkInfo();
240         connected = nInfo != null && nInfo.isAvailable() && nInfo.isConnected()
241         return connected;
242     } catch (Exception e) {
243         Log.e( tag: "Connectivity Exception", e.getMessage());
244     }
245     return connected;
246 }
247
248 public void online(View v)
249 {
250     if (isConnected()) {
251
252         list.clear();
253         dialog = new ProgressDialog( context: first.this,R.style.AppCompatAlertDialog
254
255         dialog.show();
```

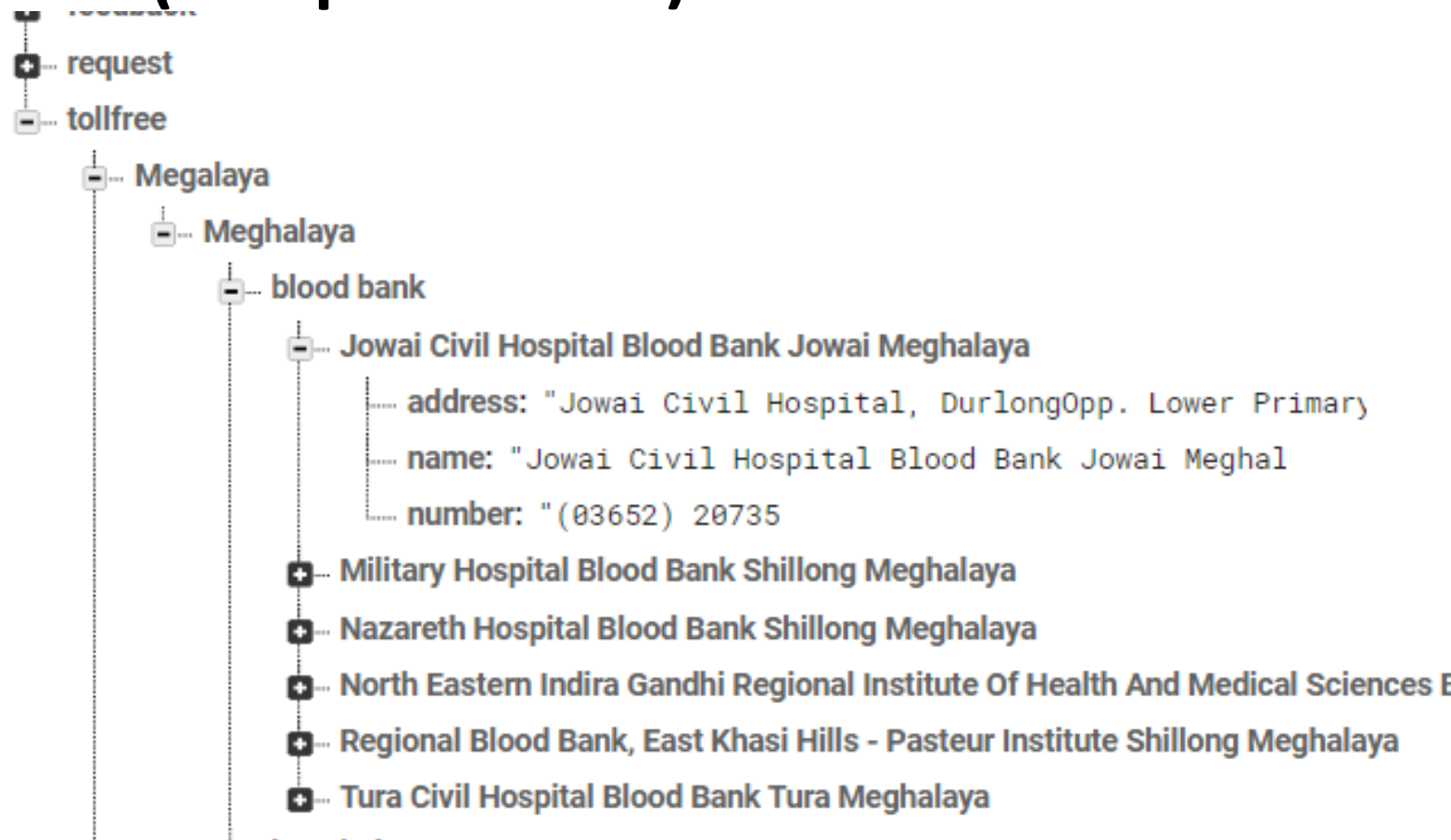


# COVID-19 HACKATHON

## DataBase(Sample Picture)

hackthon-b76cb

+... feedback  
+... request  
+... tollfree





THANK  
YOU