The Robotics Forums

Project Name: Covid Tracker App

Group Members:

Name	PRN	Email
Atharva Deore	12010633	atharva.deore20@vit.edu
Atharva Jaid	12010621	atharva.jaid20@vit.edu
Omkar Mudkanna	12010466	omkar.mudkanna20@vit.edu

Project GitHub link:
https://github.com/RoboSpark-2021/robospark-2021-FT-Covid_App

Project Workflow:
1) Understanding minimum objectives to cover in the application
2) Creating Basic Flutter application
3) Deciding the Theme for the application
4) Deciding the the Framework of Home and other pages
5) Deciding the Navigation between pages
6) Developing Back end of splash screen
7) Developing backend of the Homepage
8) Developing and Adding service widgets to Homepage for api calling
9) Adding Dropdown for choosing country, state, city
10) Navigating to Detail page using FlatButton widgets
11) Adding required conditions for Navigation
12) Developing Backend Framework of the Detail page(next page)
13) Passing Data between pages
14) Designing Splash screen
15 Designing Home page by adding customized widgets
16) Designing Detail page by adding Cards and Pie Charts
17) Testing application phase 1
18) Solving Bugs after Test 1 completes
19) Test 2
20) Solving bugs found from Test 2
21) Creating APK

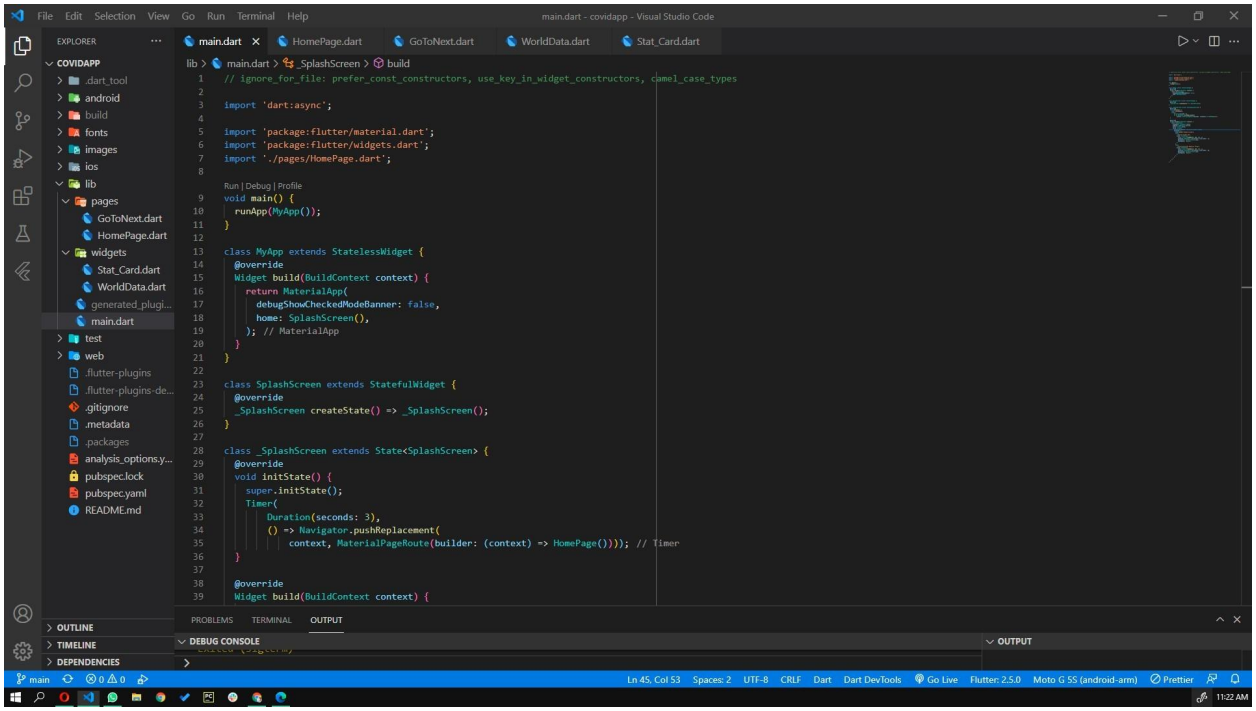
Problems Faced:
1) Designing the Application suitable for most mobile interfaces. (Suitable for Average mobile interface)
2) Dropdown for selecting countries.(Solved)
3) Navigation between pages with data flow. (Solved)
4) Adding Pie Chart (Solved)

Alternative Solutions found for problems mentioned above:

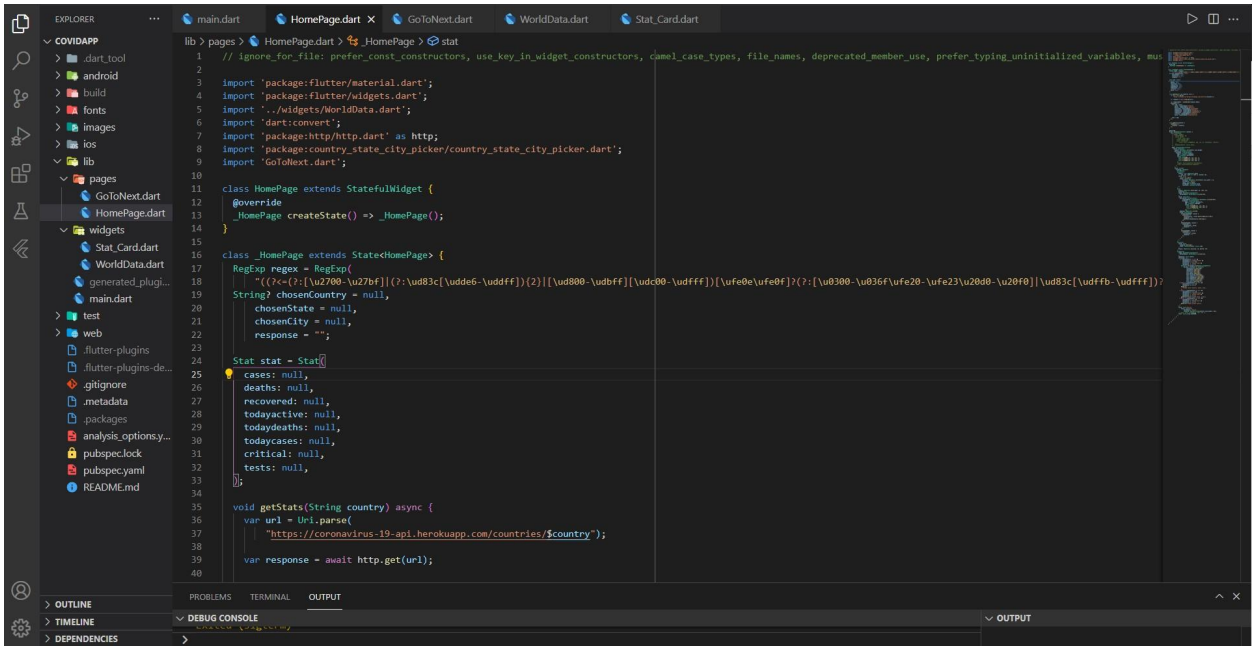
1) Using MediaQuery For font size, height,width
2) Using country_state_city picker package for Dropdown
3) Use of FlatButton for Navigation with Data flow
4) Use of SfCircularChart Package to add PieChart

Code Snippet:

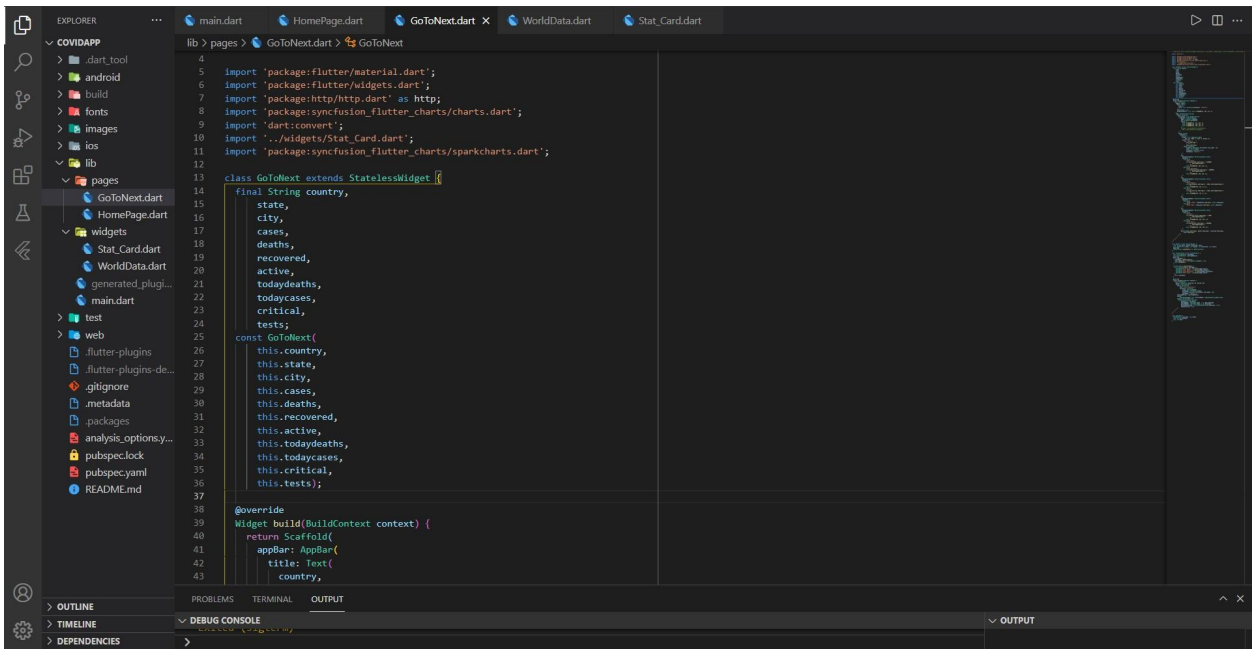
main.dart



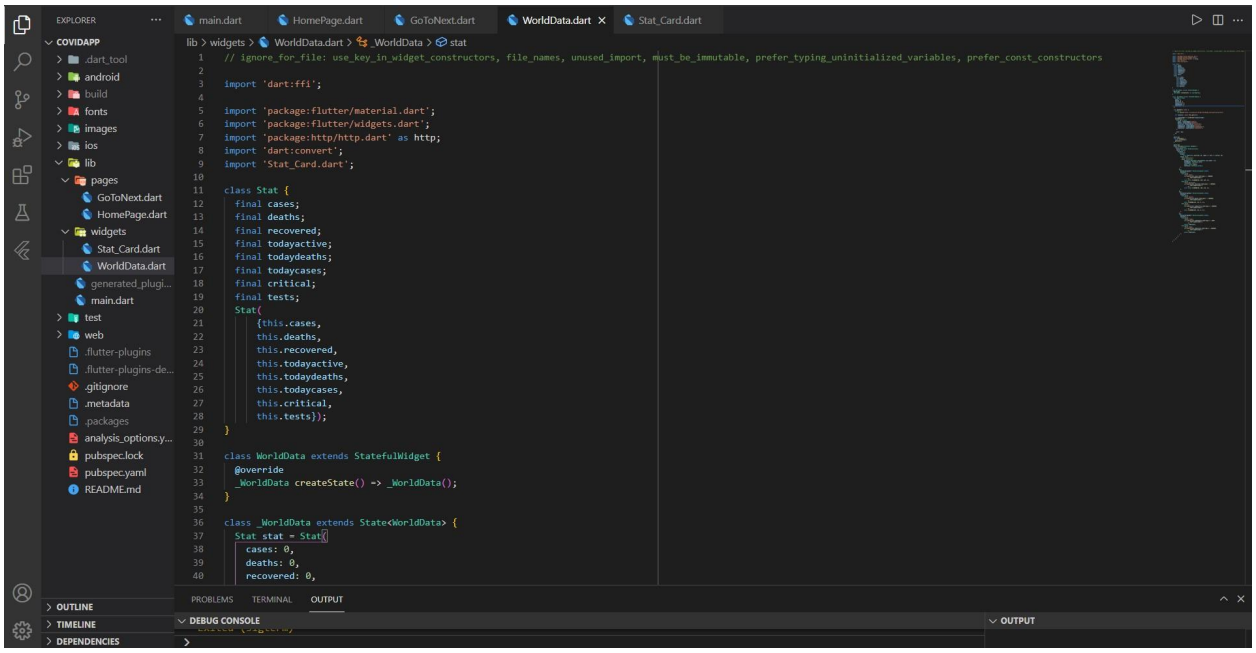
HomePage.dart



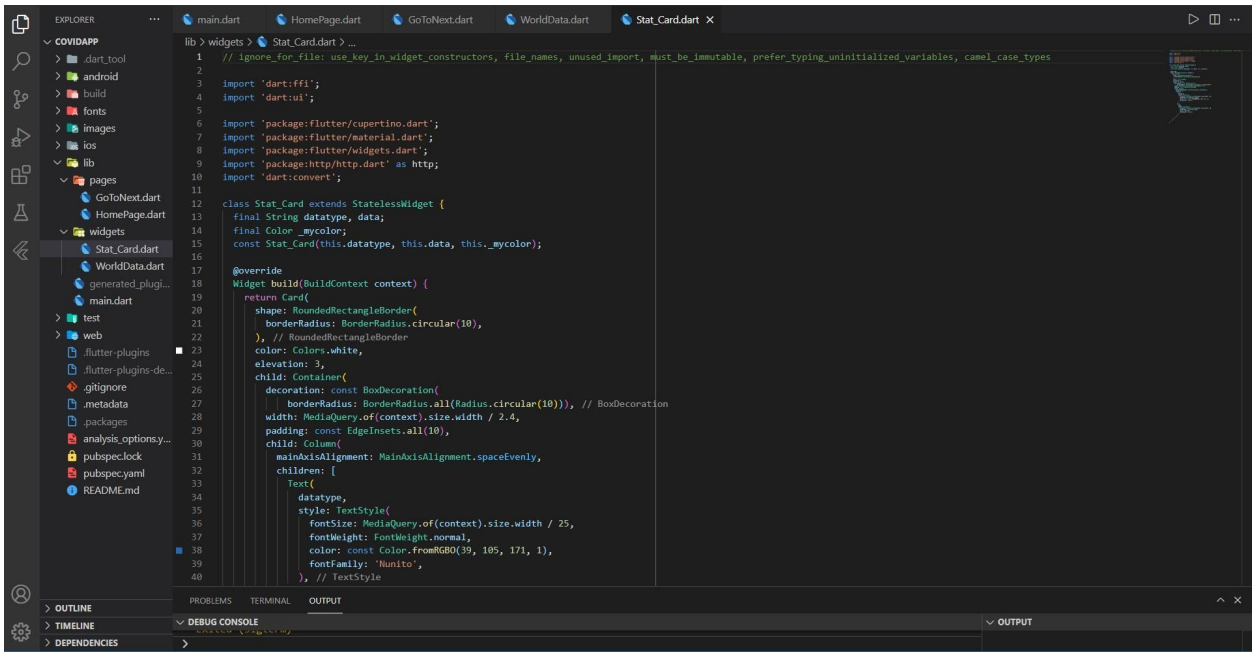
Detail Page for Displaying Country Stats
GoToNext.dart



Widgets
WorldData.dart



Stat.dart (Card For displaying Stats)



Output:

Splash Screen:

Covid Tracker App

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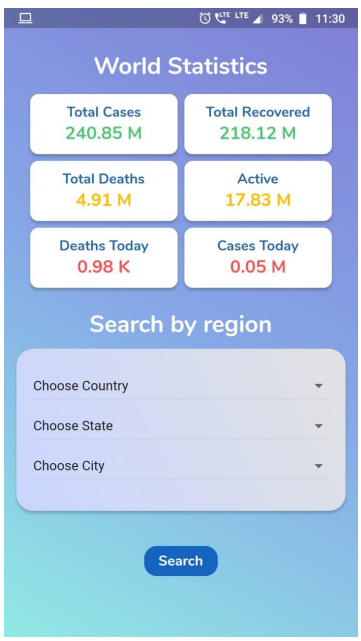
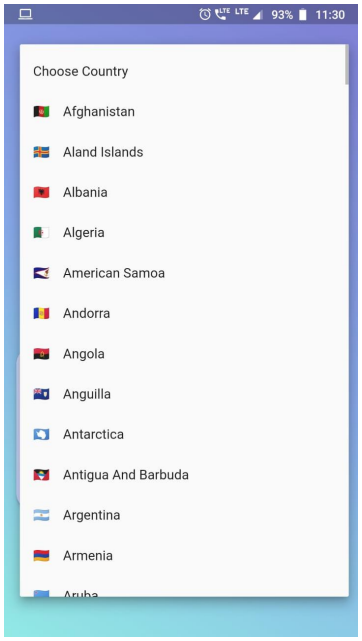
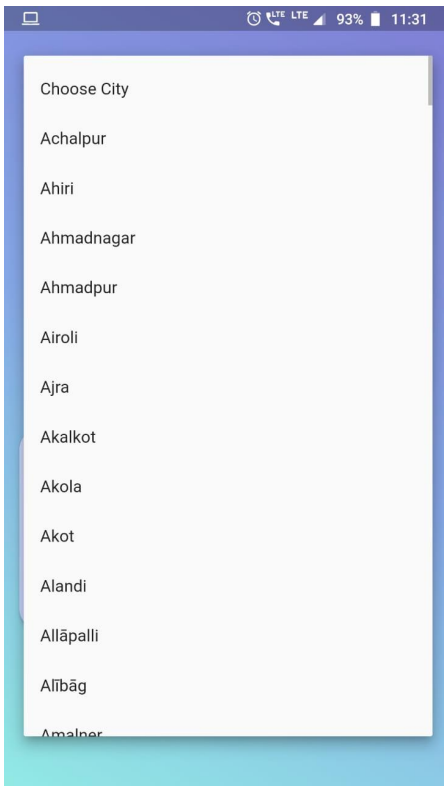
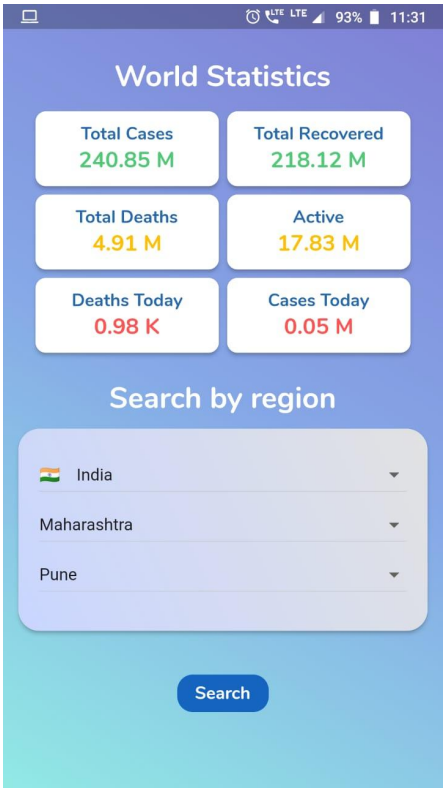
Home Page:

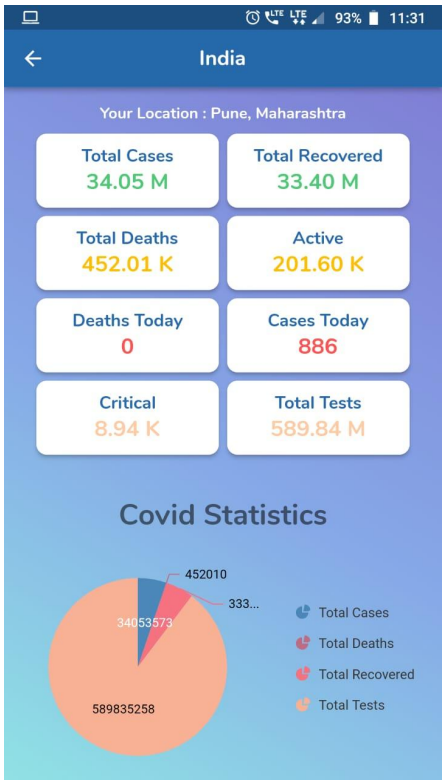


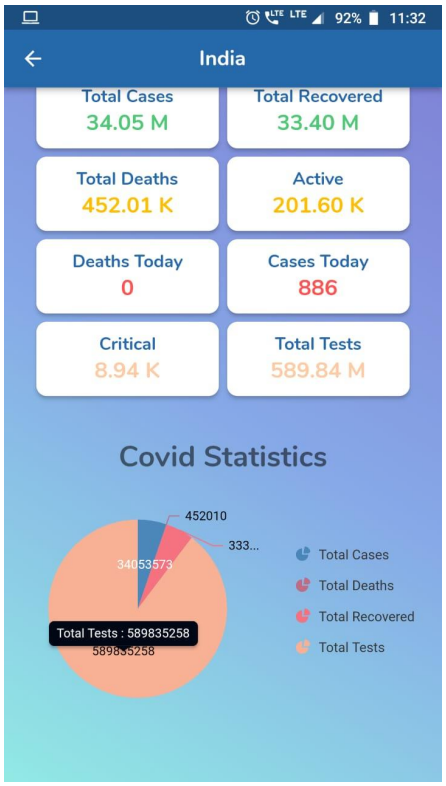



93% 11:31
Choose City
Achalpur
Ahiri
Ahmadnagar
Ahmadpur
Airoli
Ajra
Akalkot
Akola
Akot
Alandi
Allāpalli
Alībāg


93% 11:31
World Statistics
Total Cases
240.85 M
Total Recovered
218.12 M
Total Deaths
4.91 M
Active
17.83 M
Deaths Today
0.98 K
Cases Today
0.05 M
Search by region
India
Maharashtra
Pune
Search

Detail Page:


93% 11:31
India
Your Location : Pune, Maharashtra
Total Cases
34.05 M
Total Recovered
33.40 M
Total Deaths
452.01 K
Active
201.60 K
Deaths Today
0
Cases Today
886
Critical
8.94 K
Total Tests
589.84 M
Covid Statistics
452010
333...
34053573
589835258
Total Cases
Total Deaths
Total Recovered
Total Tests


92% 11:32
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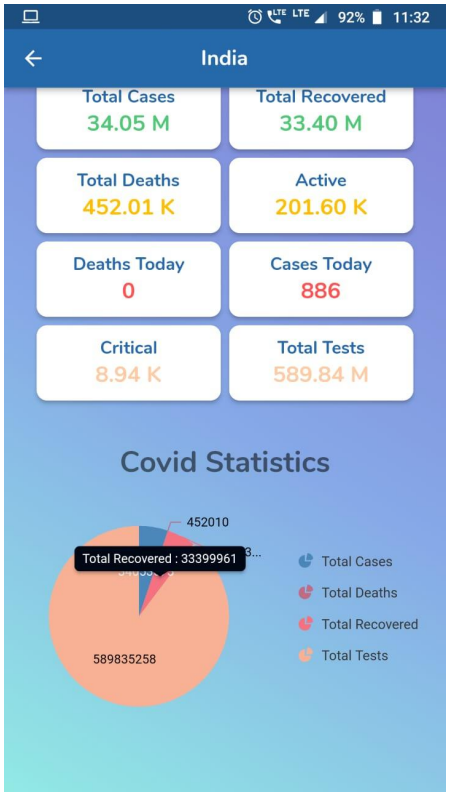
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Total Recovered : 33399961
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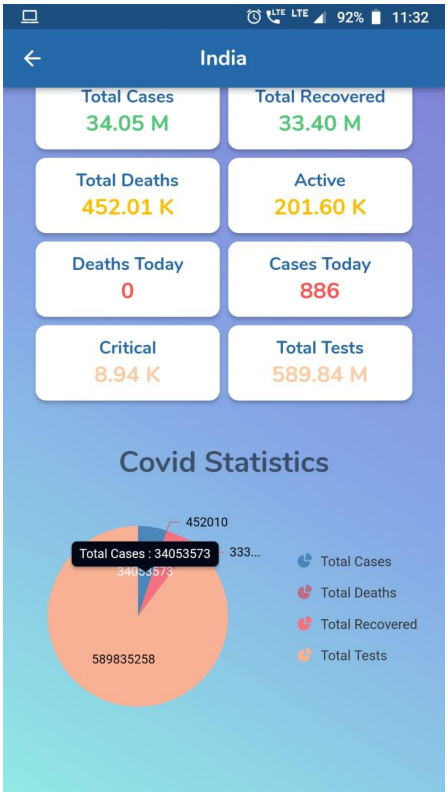
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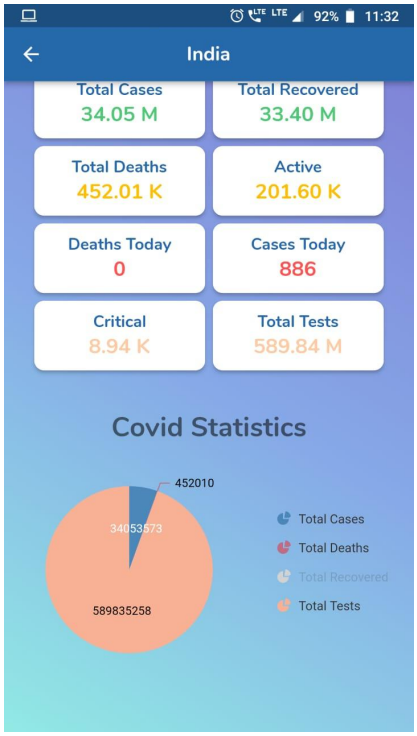
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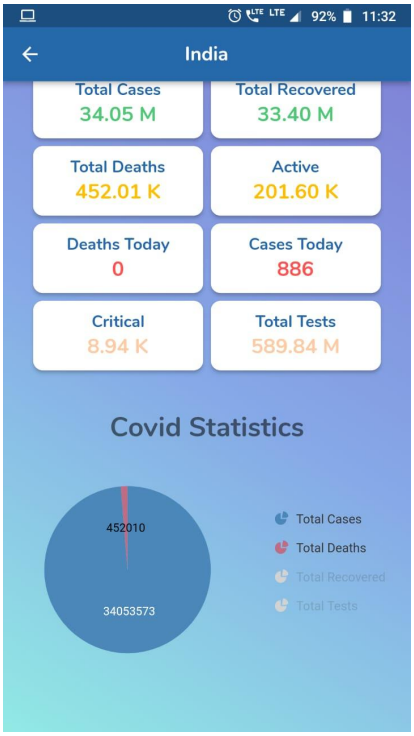
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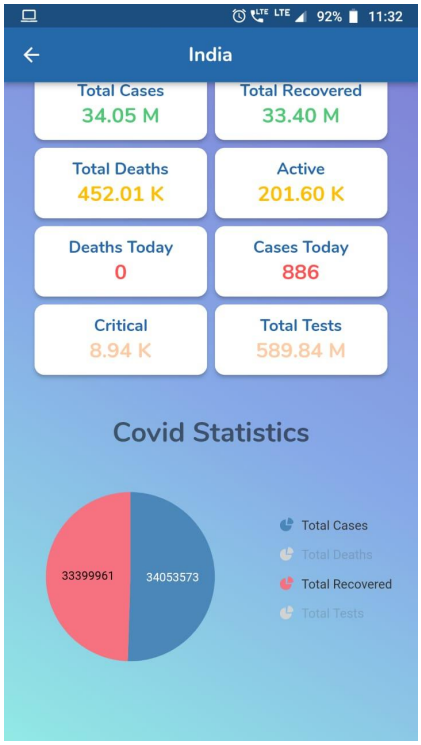
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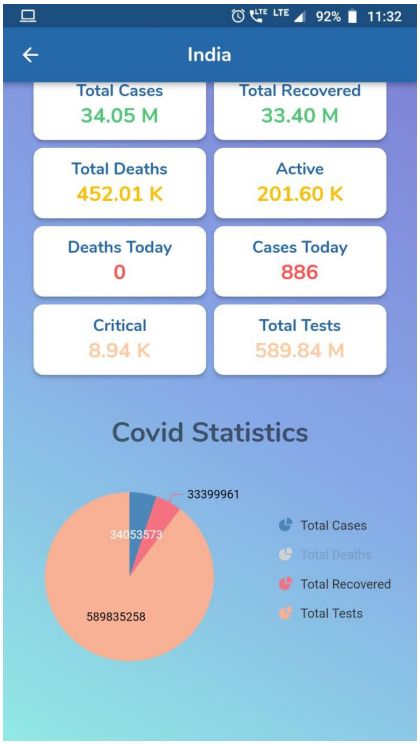
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