

Development Phase Document: CovidBeds

Current Phase: in development

Features:

1. User authentication, login, ability to change the password
2. Public dashboard displaying database information (non ICU, ICU, and Dialysis beds available)
3. Registered hospitals able to alter their own data in the database
4. Shows when data was last updated
5. Ability to set hospital as destination in Google Maps, nearest hospital. (yet to be implemented)

Permissions:

1. Internet
2. Location (yet to be implemented)

Frameworks/APIs/Tools used to implement:

1. Android Studio and Java: Android
2. Firebase Realtime Database: realtime updating database
3. Firebase Authentication: user authentication
4. Jsoup: Webscraping for “last updated timestamp” feature in order to prevent users from faking the time by manipulating device settings.
5. Google Maps API (yet to be implemented)

Interface Design:

COVIDBEDS

HOSPITAL
NAME

NON ICU
BEDS

ICU
BEDS

DIALYSIS
BEDS

SSK

1

9

2

Last Updated by SSK at 1:55 pm Friday, 26 June

EXAMPLE

12

14

4

Last Updated by EXAMPLE at 11:07 am Thursday, 16 Ju

ABC

11

8

5

Last Updated by ABC at 10:34 am Friday, 26 June

XYZ

10

7

1

Last Updated by XYZ at 10:34 am Friday, 26 June

Disclaimer: Data on this app is the sole responsibility of the hospitals alone.
COVIDBeds is NOT responsible for any damages due to false data supplied by the hospitals.
(c) 2020 Source: Fake

Sign in to update data...

NON ICU BEDS

ICU BEDS

DIALYSIS ICU BEDS

UPDATE

USERNAME

PASSWORD

LOGIN

RESET MY PASSWORD