**SOFTWARE REQUIREMENT PRACTISE (SRP)**

**COVID TRACKING SYSTEM**

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**SOFTWARE DELOPMENT PROGRAM**

**SUBMITTED BY:**

* **KEERTHIVASAN**
* **MANOJ KUMAR**
* **MANEESH.K**
* **KARTHICKVASAN**

OBJECTIVE:

Delta covid is an covid 19 tracker app for knowing details about particulates condition .

USER OF THE SYSTEM:

1.Admin

2.Users(MAINLY PATIENT,DOCTOR,)

FUNCTIONAL REQUIREMENTS:

* Built an application so that user can access the covid 19 status
* The application should have signup, login, profile , updating covid certificate
* helpline number are available in the app
* Multi factor authentication
* Email or mobile no for integration for personal notification about cause of covid 19.
* Costless gateway.
* The total population of india in (pictorial references)
* Current status of people who are affected
* Number of vaccinated
* Total number of cases in India
* Pinpoint the areas which are affected more number count in tabulation.

OUTPUT/POST CONDITION :

1.show the exact location of vaccination camp in near by.

2.we can track the highly restricted area and creating a awareness

3.count of 1st vaccination and 2nd vaccination

NON FUNCTIONAL REQUIREMENT:

Security:

1. App platform-login credentials (include Aadhar number )
2. Sensitive data as to be categorized stored in secured manner (status of the person)

AVAILABILITY :

* 24/7 AVAILABILITY

STANDARD FEATURES:

* Reliability
* Failover
* User-friendly

LOGGING & AUDITING:

* The system should support logging & auditing.

BROWSER COMPATIABLE:

* All latest browsers

TECHNOLOGY STACK:

* FRONT END
* HTML
* CSS
* JAVA SCRIPT

KEY POINTS TO REMEMBER:

1. The id and the attributes mentioned in the SRS should not be modified at any cost. Failing to do may fail test cases.

2 .   Strictly adhere to the proper project scaffolding (Folder structure), coding conventions, method definitions and return types. Adhere strictly to the endpoints given below

APPLICATION ASSUMPTIONS:

1.   The login page should be the first page rendered when the application loads.

2.   Manual routing should be restricted by using Auth Guard by implementing the can Activate interface. For example, if the user enters as http://localhost:8000/signup or http://localhost:8000/home the page should not navigate to the corresponding page instead it should redirect to the login page.

3.   Unless logged into the system, the user cannot navigate to any other pages.

4.   Logging out must again redirect to the login page.

5.   To navigate to the admin side, you can store a user type as admin, with a username and password as admin.

6.   Use admin/admin as the username and password to navigate to the admin dashboard.

VALIDATION:

1. Aadhar card number should be verified.

2.mobile number should be verified.

3. email id should be verified.

4.password validations should be performed.

Frontend:

User:

1. Auth: Create an auth component so that the user can sign in or signup this auth

component is to react on app

2. Signup: Design a signup page component where the new user has options to sign

up by providing their basic details.

a.   Ids:

* email
* username
* mobile number
* password
* confirm password
* vaccination certificate
* submit Button
* sign in Link

3. Login: Design a login page component named where the existing user can log in using

the registered email id and password.

a.   Ids:

* email
* password
* submit button

4. Home: create a home page which take the users to next page of backend.

a.   Ids:

* search button
* Settings
* profile
* offline mode
* logout Button

5.offline Mode:

1.active covid count in our country.

2.view vaccination certification.

3.view high covid affected area.

Project Tasks:

API Endpoints:

 USER:

Action URL Method Response.

LOGIN & SIGNING WITH REQUIRED DETAILS (INCLUDING JOIN THE AADHAR WITH APP):

* expansion & serological screening of people's health.
* preparation of hospitals to deal with influx covid cases.
* notification alerted to get away from closed contacts.