

SAMPLE TEST PAPER

IT Software Solution for Business (ITSSB)

ROUND 2, 3, 4

Dare to Dream, Unleash Your Talent!

JuniorSkills Championship



INTRODUCTION

In this time of pandemic, Indian scientists have done a great job by rolling-out the vaccine for people across the world.

The center wants to have a mobile application to connect with citizens to start with vaccination process.

You have to build a prototype to get selected to build complete application.

DESCRIPTION

This vaccine app will be named as “Rahat App”. In this application, any citizen can come and make a request to get vaccinated.

The respective state authority will be managing the requests and approve the status of requests by assigning the dates. The authorities will also review the information of the registered users.

Build UI for following Screens:

1. Sign-In
2. Home
3. Make Request
4. Manage requests

Sign-in Screen

When user will enter the application, he will see the Sign-in screen. On sign-in screen, user will have to enter following fields:

1. Email Id
2. Password
3. Sign-In Button

Once user sign-in using valid credentials, he will land on the Home Screen. Build API to validate the credentials. If user is signing-in for first time then save the credentials

Home Screen

The home screen will have following information:

1. Status of vaccination for signed-in user
2. Search box to search state
3. Cards of different states having their helpline number & option to make a request

On clicking the option to make a request, the Make Request screen should open. Build API to fetch states data & to fetch vaccination status of user.

Make Requests Screen

A form will be there on make requests screen with following fields:

1. Name (mandatory)
2. Aadhar Number (mandatory)
3. Age (mandatory)
4. Gender (mandatory)
5. Address (mandatory)
6. Contact Number (mandatory)
7. Make request button

On clicking the Make request button, the information must be saved in the database. And the request will be displayed on Manage Request - Admin Screen under Pending Tab. Build API to save request information in database.

Manage Request - Admin Screen

Admin Screen will have three tabs – “Vaccinated”, “Approved”, “Pending”.

- **Pending Tab**
Under this tab, the citizens who have made the requests will be displayed. For each citizen request, there should be option to assign date.
- **Approved Tab**
Under this tab, the citizens who have got a date assigned and have not been vaccinated yet will be displayed. For each entry the admin will have button to update the status to vaccinated.
- **Vaccinated Tab**
Under this tab, the citizens whose have been vaccinated will be displayed i.e., The citizens having status “Vaccinated” corresponding their requests.

Build API to fetch requests under respective tabs

INSTRUCTIONS FOR COMPETITOR

1. In Round 2, competitor will have to build the screens of application
2. In Round 3, competitor will have to build screens and API to fetch the data from database
3. In Round 4, competitor will have to build screens and API to fetch data from database
4. Submit the application in a .zip format, named as <your_name>.zip. The zip must contain Database dump (if any), application package

TOOLS & TECHNOLOGIES

- Android Studio
- Java
- MySQL

ENCLOSED

- Wireframes
- Images
- DB-Schema