

# **CSCE 5430 SOFTWARE ENGINEERING**

## **PROJECT DELIVERABLE 3**

### **GROUP: BRAINSTORMERS**

#### **1. Report Requirements:**

##### **The Requirements in Phase 1 are:**

- **Login Page:**

The User should be able to login the application by giving user name and password. If user login successfully, will be redirected to Dashboard page.

- **Register Page:**

If the user is not registered for the application, there is link for “New Registration”. It will directed to page where user provide details like name, gender, age, mobile, user name and password. When the registration is done it will be redirected to the login page.

- **Dashboard:**

After successful login by user, will be directed to the dashboard page, where user can able to see profile, test results, nearby positive cases, precautions, helpline, covid cases, vaccination centers, covid certificate, logout.

##### **Work Flow of our Requirements:**

- When application is started, home screen activity is shown to user.
- In home screen activity, login and new registration link is shown.
- In home screen activity, click on New Registration so that it opens user registration activity where give name, gender, age, mobile, username, password and click on register button for registration.
- After registration of new user it redirects to home screen activity where give username and password to login.
- After successful login dashboard activity is displayed which shows options like profile, helplines, test results, nearby positive cases, precautions, covid cases, vaccination centers, covid certificates and logout.

**Detailed Description of Changes made:**

- In Deliverable 2, we have mentioned that we will be focusing on the creation of UI for our project and the registration page creation.
- In Deliverable 3, we have created Login Page, Registration Page and Dashboard.
- We want to create more pages from Dashboard, but we couldn't make it as android studio is new for some people in our group. We discussed about that and implemented our project. We will deliver our next Deliverables as given in the development phases.

**Front End Design, Back End Design Requirements:**

- Android Studio
- Java
- PHP
- XML
- MySQL database

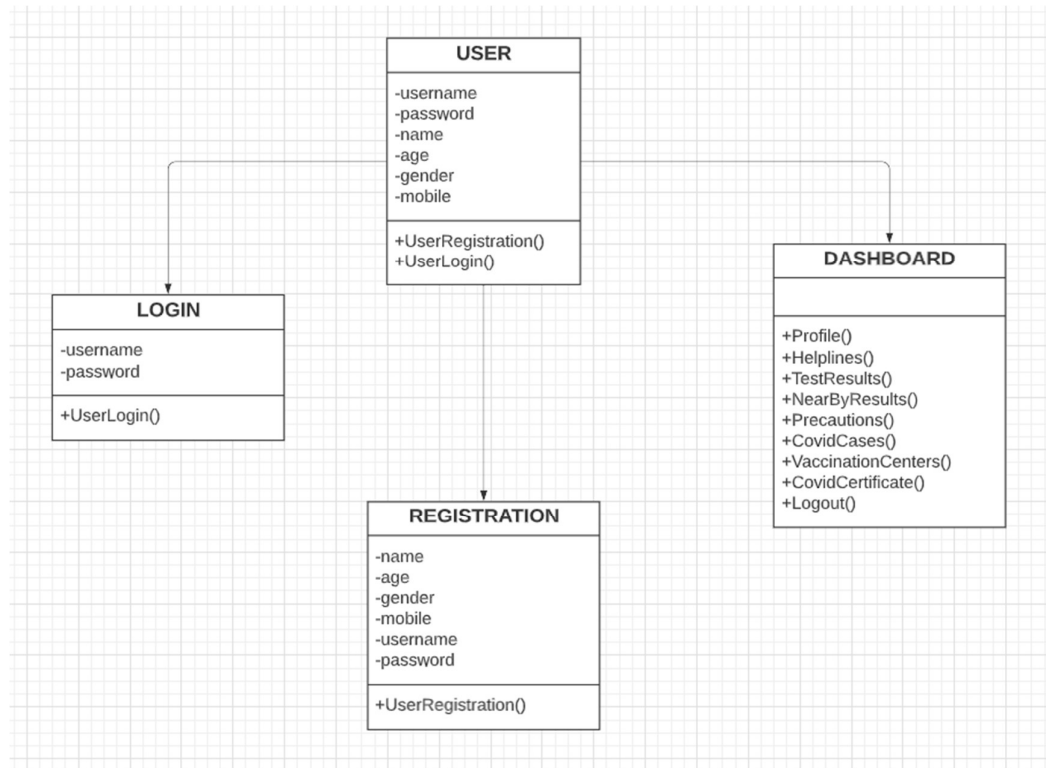
**Hardware Requirements:**

- Intel i5 process and above
- RAM 8 GB and above
- HD 500 GB and above
- GPU GTX 1080

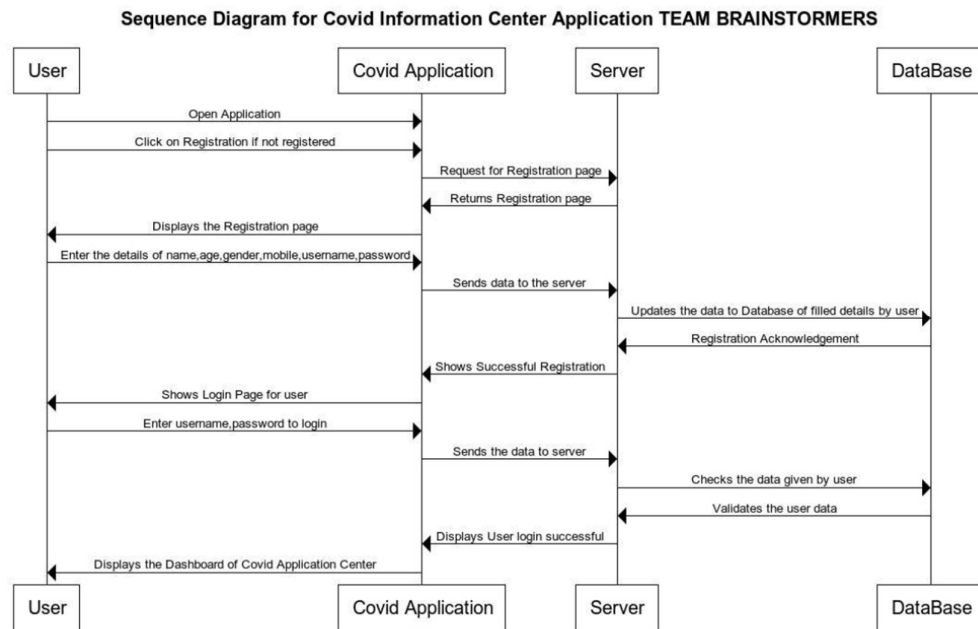
## 2. UML design for Phase 1

- **Class Diagram:**

**Class diagram of Covid Information Center application- user registration, Login, Dashboard**

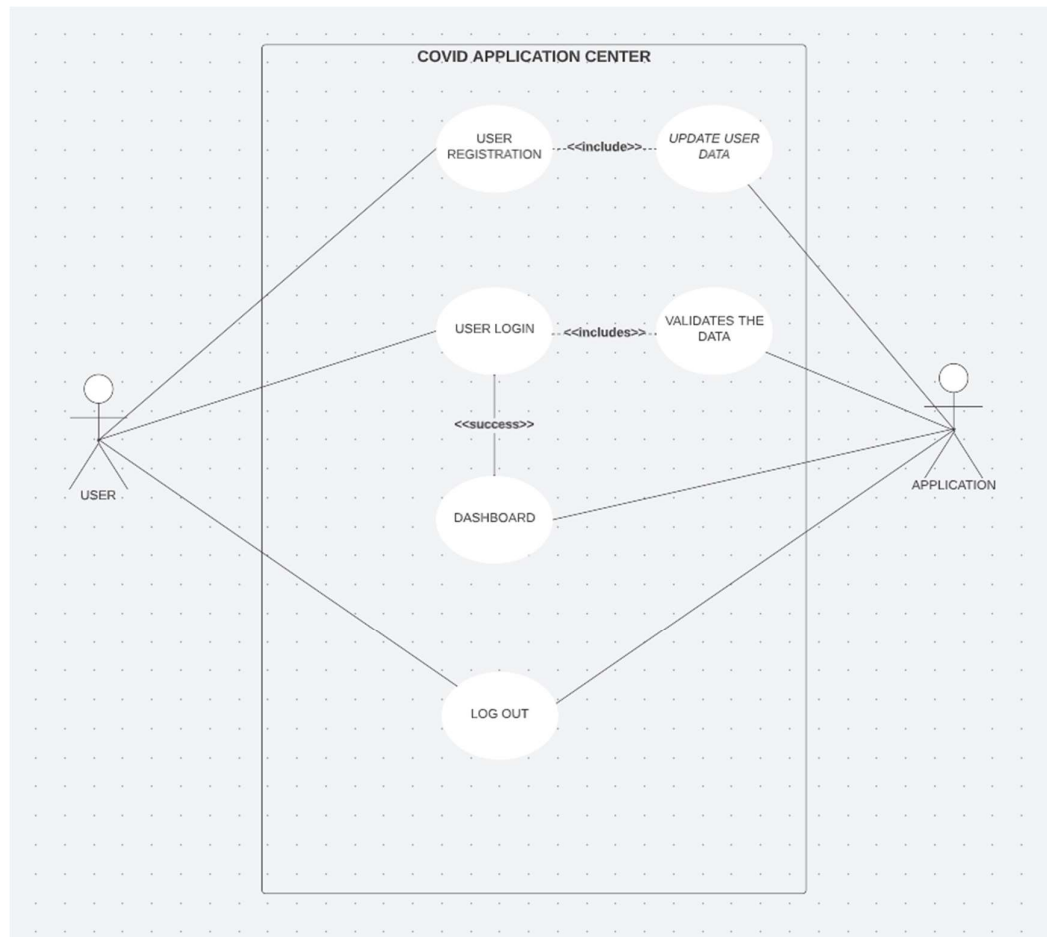


- Sequence diagram for Covid Information Center Application

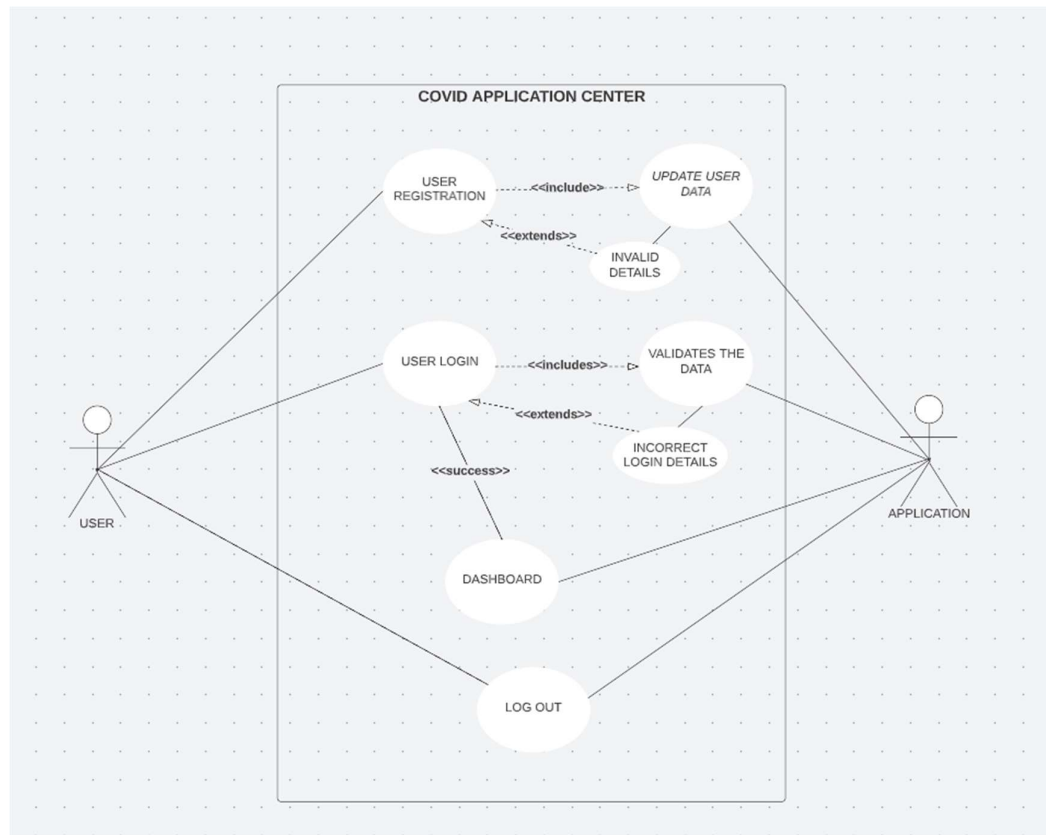


- Use case diagram-one normal case and one error case should be included.

### Use case Diagram for Covid Application Center – Normal Case



## Use case Diagram for Covid Application Center – Error Case



### 3. Test Cases (unit tests) for phase 1:

- **Android Studio:**

In order to test, run the application android studio installation is required.

Result: Installation Successful

- **New Application Creation:**

Creation of new application, Covid19BrainStormers is required.

Result: Creation Successful

- **APK Creation:**

The APK Creation is required for our project.

Result: Successful

- **APK Installation in Android Mobile:**

Installation of APK in Mobile phone is required in order to run the project.

Result: Installation Successful

- **User Registration Page:**

In User Registration Page, tested mobile number with more than 10 digits, given password and confirm password different, password with less than 6 characters.

The Screenshot shows invalid mobile number as error as we gave mobile number more than 10 digits.

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Covid19BrainStormers

**User Registration**

Name  
akshaya

Gender  
Female

Age  
22

Mobile  
9999933333222

Username  
Akshaya

Password  
\*\*\*\*\*

Confirm Password  
\*\*\*\*\*

**REGISTER**

Invalid mobile number

The Screenshot shows passwords not match as error as we gave both passwords different.

The screenshot shows a mobile application interface for user registration. At the top, the status bar displays the time 10:37, signal strength, and battery level at 77%. The app's header is black with the text 'Covid19BrainStromers' in white. Below the header, the title 'User Registration' is centered in red. The form fields are as follows: 'Name' with the value 'akshaya'; 'Gender' with a dropdown menu showing 'Female'; 'Age' with the value '22'; 'Mobile' with the value '9999933333'; 'Username' with the value 'Akshaya'; 'Password' with masked characters '\*\*\*\*\*'; and 'Confirm Password' with masked characters '\*\*\*\*\*'. A green 'REGISTER' button is positioned below the form. A light blue error message bubble at the bottom states 'Passwords not match'.

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Covid19BrainStromers

**User Registration**

Name  
akshaya

Gender  
Female

Age  
22

Mobile  
9999933333

Username  
Akshaya

Password  
\*\*\*\*\*

Confirm Password  
\*\*\*\*\*

**REGISTER**

Passwords not match



The Screenshot shows password length  $\geq 6$  as error as we gave input of password less than 6 characters.

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Covid19BrainStromers

### User Registration

Name  
akshaya

Gender  
Female

Age  
22

Mobile  
9999933333

Username  
akshaya

Password  
...

Confirm Password  
...

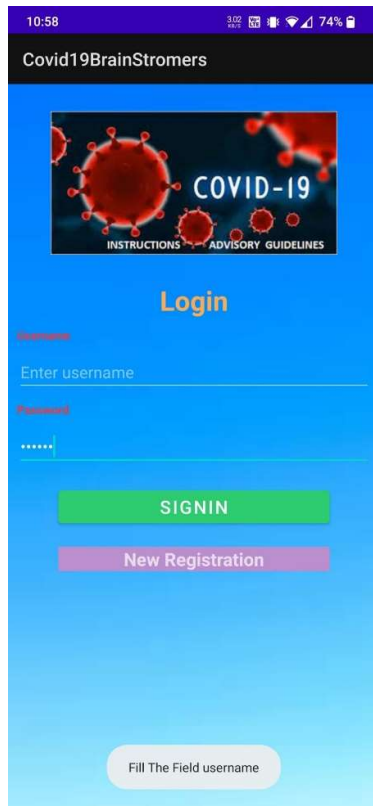
REGISTER

Password length  $\geq 6$

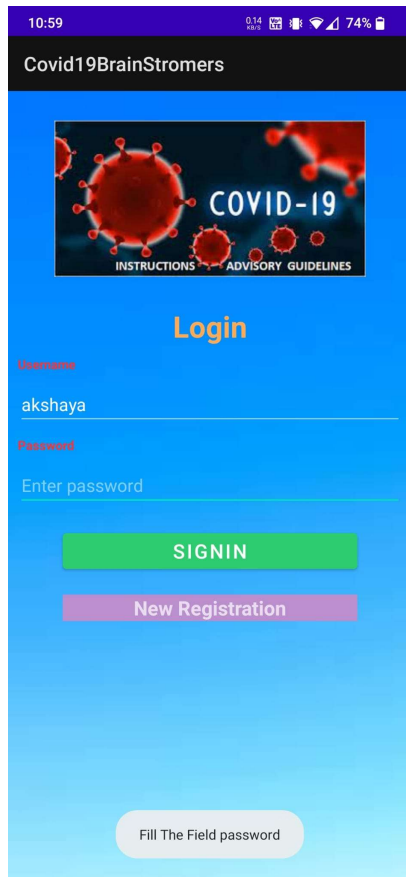
- **User Login Page:**

In Login Page, we have tested it without giving user name and password.

The Screenshot shows enter the field username as error as we didn't gave username.



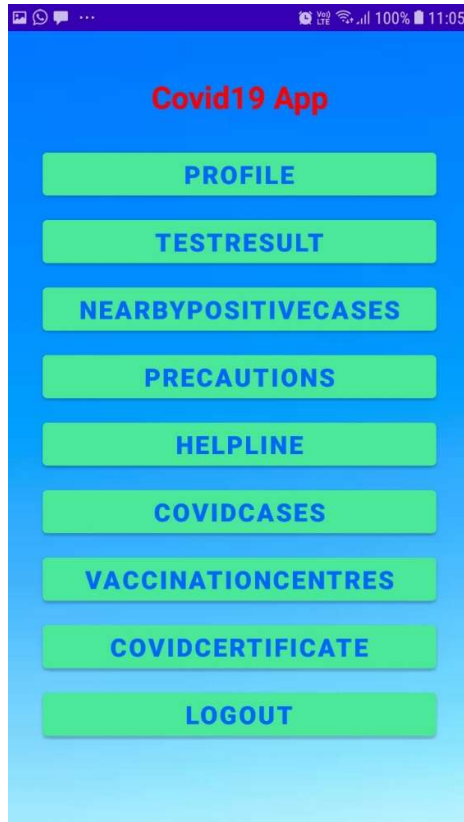
The Screenshot shows enter the field username as error as we didn't gave password.



If entered details of username, password are incorrect, it shows “Login Failed. Try Again!” as error.

- **Dashboard page:**

We have tested this and it displays the dashboard, containing Profile, test results, nearby positive cases, precautions, helpline, covid cases, vaccination centers, covid certificate, log out.



#### **4. Report User Manual:**

- Download the project **Covid19BrainStromers** into system.
- Run android studios.
- Select File->Open and select **Covid19BrainStromers** folder.
- Click on the run button to run the application in emulator.
- When executed it shows Login page where user can register and login into the application.

#### **5. Instructions on how to compile/run both program and test cases:**

- Download and install the JDK, Android studios and run Android Studios software for running or compilation of our project.
- After running the android studios, open select file and open with “Covid19BrainStromers” folder from the path.
- Start running the application program in android studios.
- The application will run in the android emulator.
- If emulator is not working in your system then select Build->Build Bundles(APK) -> Build APK
- APK of app will be created and go to the path of APK file and copy to mobile, install and run the app.

#### **6. Report Peer Review Feedback:**

##### **Feedback:**

- The Feedback received in the peer review session by Raptors team is to add a Covid positive Certificate which helps it to verify that a person is tested positive.

##### **Actions:**

- We took it for our project better working. So, we wanted to implement Covid certificate in our project.
- In Dashboard Page, we can see the covid certificate button which we will implement in coming deliverables.

## **7. Report Reflection:**

- In this Deliverable 3, we have implemented the pages of User Login, User Registration and Dashboard.
- In the development phase 1, User can register for the Application and if the user enter the required details correctly it will be directed to the login page.
- If the user enter the required fields correctly, it will be directed to dashboard page.
- In Dashboard page, contains Profile, test results, nearby positive cases, precautions, helpline, covid cases, vaccination centers, covid certificate, log out.
- We are using php and MySQL for storing the data in the database.

## 8. Report Member Contribution Table:

Members	Contribution
Vaishnavi Mandadi	Worked on creating the registration, login, dashboard pages. Attended group meetings and discussed the changes to be done.
Aishwarya Yadav Jala	worked on testcases to be tested on the application. Attended group meetings. And worked on github, note- deliverable 3 file.
Venkata Sai Reshma Kallepalli	Helped in creating in pages of application and worked on documentation of deliverable- 3. Attended group meetings.
Akshaya Sampelli	Worked on UML diagrams and designing of application. Attended group meetings. Gone through the submissions on canvas.
Kiran Jyothi Bodduluri	Worked on UML diagrams and helped in designing of application. Attended group meetings.
Sahit reddy Chintakuntla	Worked on the changes that we have discussed in the meetings and helped in creation of application. Attended group meetings.
Rajashekhar reddy Moddu	Created meetings to connect with our group members and helped in documentation.