## Document for execution of the code base

The application runs in a browser, it Registers a user with form field details and all fields mandatory. After registration User is redirected to a page where there is a button to Login. After pressing the button he can login. And a message will be displayed with his name after successful login or to an error message page with message invalid username or password.  
He can also change his password by clicking on forgot password. A page with email field will be displayed.  
Enter the email and submit form after that otp will be send to the registered email id and a popup will open where the user inputs the otp. If successful he will be redirected to a page where he will be required to input new password and submit else error message will be displayed on the pop-up.   
if successful he will be redirected to page with his name and can login again with his updated password.

Please make sure that you have installed the following on your system(recommended not necessary):-

1. Spring sts or eclipse
2. VS code
3. MySQL workbench

Install the following programs in your system:-

1. Node latest version
2. Angular CLI latest
3. Tomcat version 8 or above

Create a Schema in the localInstance MySQL named goscale\_db and in it create a table “user” with the following columns:-

Iduser, name, emailId, mobileNumber, dob, password, fbProfileLink, otp, isActive.   
I have attached the database dump. Execute the query to get the data

To run the Java code follow the following steps:-

1. Create a work-space and import the code in your Spring sts or eclipse
2. Start the Tomcat server
3. You can test the Apis from postman

To run the Angular code install the following by executing the given code in the CLI of the directory where the code is cloned/downloaded in the system:-

1. npm install --save @angular/material @angular/cdk
2. npm start will build the code locally and if errors persists install the libraries that produces errors

Following are the APIs used in the application:-

1. LOGIN – get - [http://localhost:8080/goscaletest/webapi/users?email=”vikramjeet@yopmail.com”&password=”1234](http://localhost:8080/goscaletest/webapi/users?email=)”
2. SEND OTP ON MAIL – get -http://localhost:8080/goscaletest/webapi/users/sendOTPonMail?email=”vikramjeet@yopmail.com”
3. REGISTER – post - <http://localhost:8080/goscaletest/webapi/users>
4. VERIFY OTP ON MAIL – get - [http://localhost:8080/goscaletest/webapi/users?email=”vikramjeet@yopmail.com”&otp=”1234](http://localhost:8080/goscaletest/webapi/users?email=)”
5. UPDATE PASSWORD – get - [http://localhost:8080/goscaletest/webapi/users?email=”vikramjeet@yopmail.com”&password=”1234](http://localhost:8080/goscaletest/webapi/users?email=)5”