TEST PLAN DOCUMENT

For

NGO Management System (NMS)

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1 Test Plan Outline

1.1 Introduction

The objective of this test plan is to test the functionality of the NGO Management system. An NGO management system is a comprehensive framework designed to facilitate the effective and efficient operation of non-governmental organizations (NGOs).The primary focus of this plan is to ensure that the system application should run smoothly and provide appropriate information to the user without any loss of information and covering most of the data in-consistencies.

1.2 Features to be tested

1.2.1 Volunteer Login

1. Test all 2 inputs to sign-in.
2. Appropriate error message if the login is unsuccessful.
3. Appropriate message if the login is successful.

1.2.2 Admin Login

1. Test all 2 inputs to sign-in.
2. Test the hCaptcha to sign-in.
3. Appropriate error message if the login is unsuccessful.
4. Directed to the Admin Dashboard page if login is successful.

1.2.3 Volunteer Sign-up

1. Test all three compulsory inputs to sign-up.
2. Appropriate error message if the sign-up is unsuccessful.

1.2.4 Student sign-up(self)

1. Test all 6 inputs to sign-up
2. Appropriate error message if the sign-up is unsuccessful.
3. Appropriate message if the login is successful.

1.2.5 Student sign-up(by admin)

1. Test all 6 inputs to sign-up
2. Appropriate error message if the sign-up is unsuccessful.
3. Appropriate message if the login is successful.

1.2.6 Donate Form

1. Test all 5 inputs to sign-up.
2. Appropriate error message if the sign-up is unsuccessful.
3. Appropriate message if the login is successful.

2 Test Plans

2.1 Test Plan for Home Page

Here we have 3 buttons of important at the top of the home page, there are student,donate and admin and volunteer.Student button is to register a student.Donate button is to create an account for a donor.Admin button is to login as an admin which directs to admin dashboard.Volunteer button is to sign in as volunteer.The another button in the body of the home page is 'Become Volunteer'.This button is to registering as a volunteer.

2.2 Test Plan for Admin Dashboard

It contains 6 buttons. One of the button is "Back to NGO site" which directs back to home page. And the remaining 5 buttons directs to other pages which are mentioned below.

2.2.1 Test plan for "creating a student"

This page is for admin for registering new students. It has 6 inputs and 2 buttons. "Submit" button and "Back to home" button. The latter button redirects to admin dash board and the former button is to register the new student. The 6 inputs has to be filled compulsorily.

2.2.2 Test plan for "view all students"

This page has "Back to Home" button, and another 3 buttons.One is "delete" to delete that student account and another one is "Update" to update the profile of the student and last one is "View Profile"

2.2.3 Test plan for "view donors"

This page has only one button and that is back to home.It button just shows the information of the donors

2.2.4 Test plan for “view volunteers list”

It is also similar to the view donors button containing only one same button and showing the list of all registered volunteers even they are inactive.

2.2.5 Test plan for “view pending students”

It has two buttons.One is the button “Back to Home” and the another one is approving the students button (“Approve”)

3. Test Types

Software testing will be performed by developers instead of a third party due to the small nature of the project. Exhaustive testing is not possible. As we need the optimal amount of testing based on the risk assessment of the application.

1. Unit Testing

We will focus on smaller units of the software design. In this, we will test an individual unit or group of interrelated units. It is often done by the programmer by using sample input and observing its corresponding outputs.

2. System Testing

Software will be tested such that it works fine on different operating systems primarily Linux, Windows and macOS.

3. Regression Testing

Adding new files leads to changes in the program. We make sure that the whole component works properly even after adding new components to the complete program.

4. Environmental Needs

1. There are no special hardware requirements for running the app.
2. Test data will be provided to the software by performing demo orders, demo user creation etc.
3. There are no specific requirements apart from a working email id and a working internet connection, while testing the software.
4. There are no specific data ranges apart from keeping the size of images small (so image uploading and retrieval will be done faster). And also while testing use of unique data is preferred because repetition of data in user creation will give an error.

5. Each part of a multipart feature should be tested at least once by creating dummy users,dummy orders etc.

6. There is no restricted use of the system during testing. This software is a web app, every session of the user will be separate, and all will be handled simultaneously by the server via mongodb. So other users will not be affected when testing the software.

6. Software Risk Issues

All npm packages should be in the versions as mentioned in the requirements.txt file. If that didn’t work , you can troubleshoot by updating the npm packages to their latest version.

LOGIN TESTING:

Inputs:

- Login ID(string)
- Password(string)

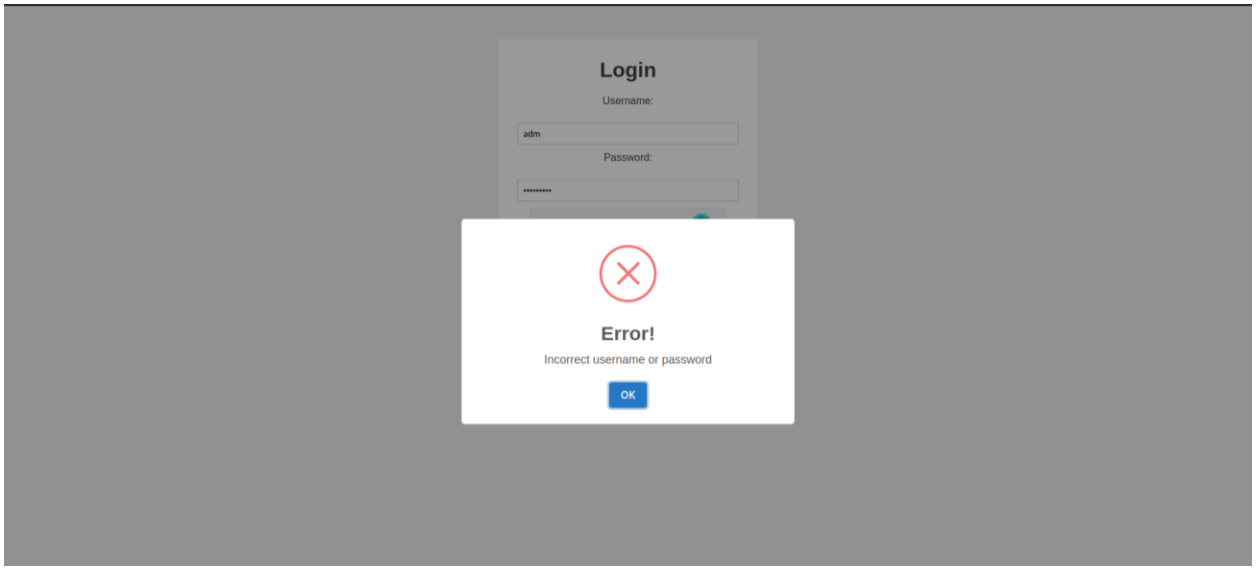
Classes:

- Admin
- Volunteer

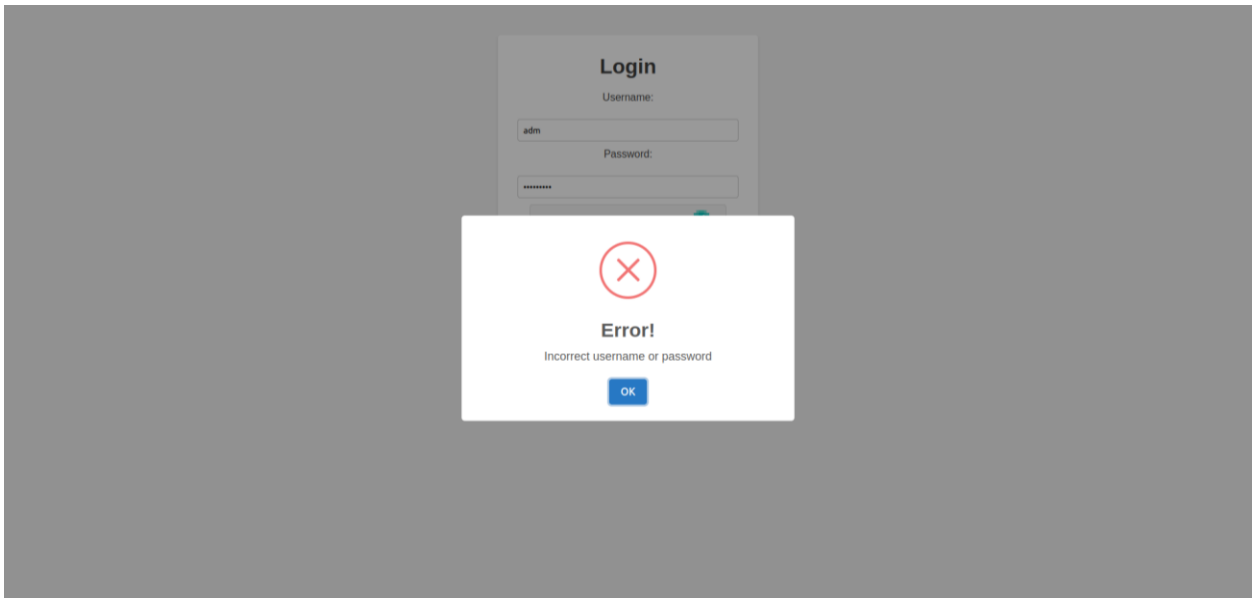
Admin Login:

Class	Input	hCaptcha	Expected Output	Actual Output
Admin	Username: adm Password:admin123	Correct images are selected	Error – incorrect Username or password	Error – incorrect Username or password
Admin	Username: admin Password:admin1	Correct images are selected	Error – incorrect Username or password	Error – incorrect Username or password
Admin	Username: admin Password:admin123	Incorrect images are selected	Another hCaptcha with message “please try again”	Another hCaptcha with message “please try again”
Admin	Username: admin Password:admin123	Correct images are selected	Directed to admin home screen	Directed to admin home screen

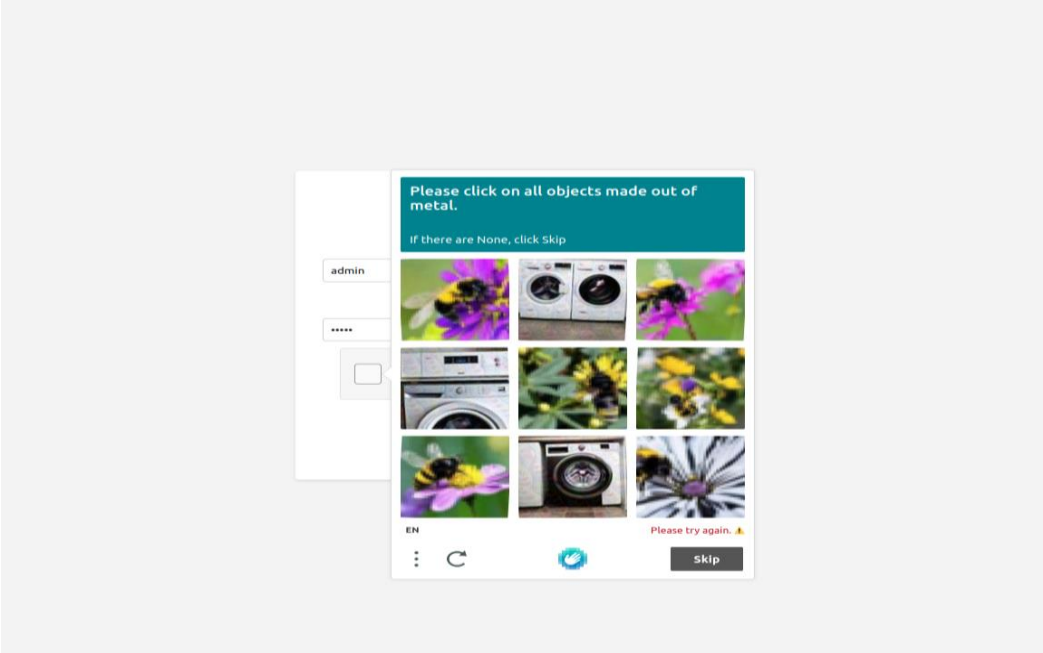
INCORRECT USERNAME



INCORRECT PASSWORD

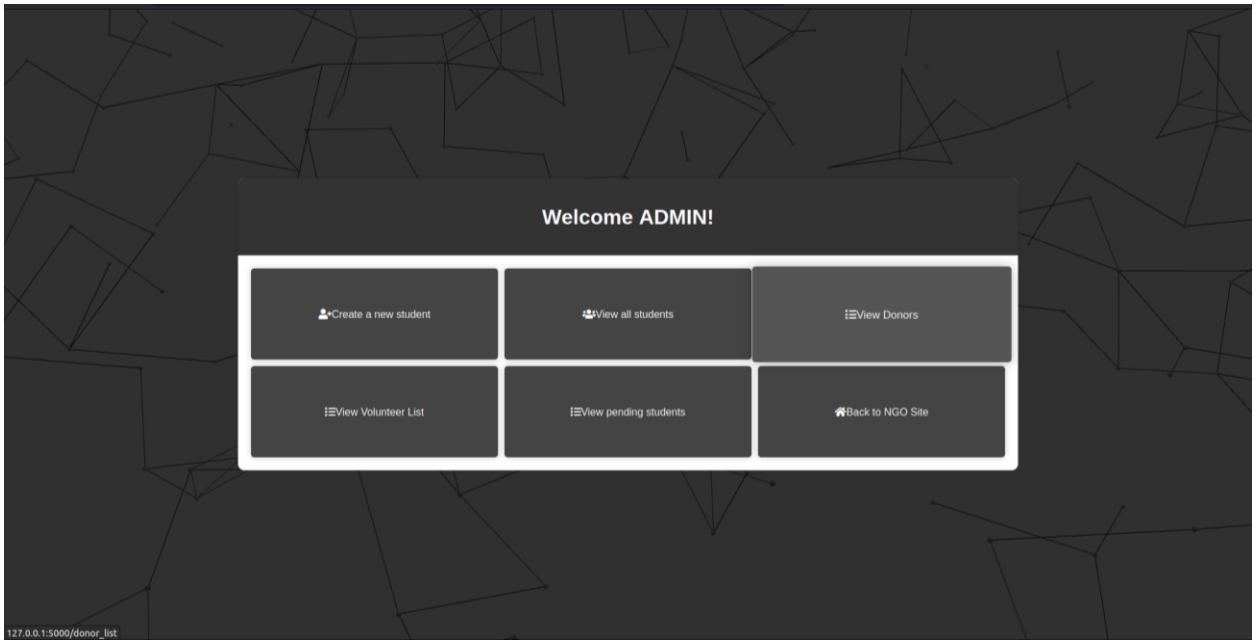


INCORRECT hCaptcha



CORRECT USERNAME,PASSWORD AND hCaptcha

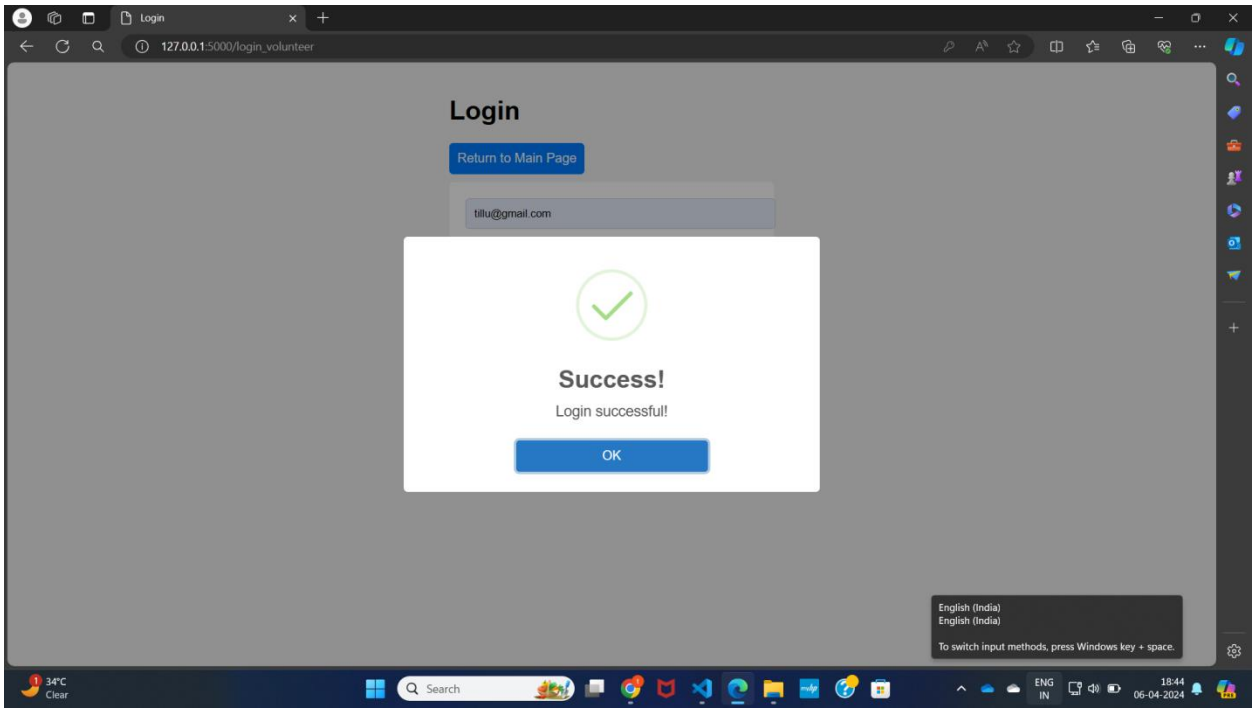
ADMIN LOGIN PAGE

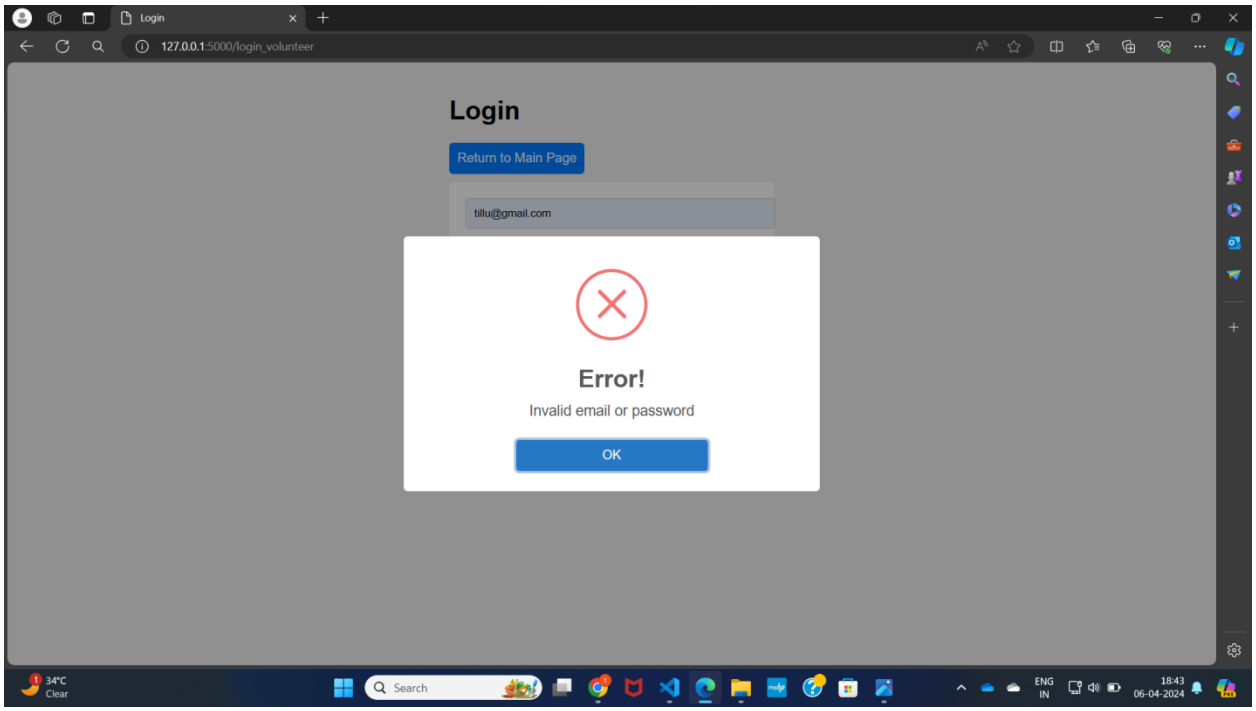


Volunteer Login:

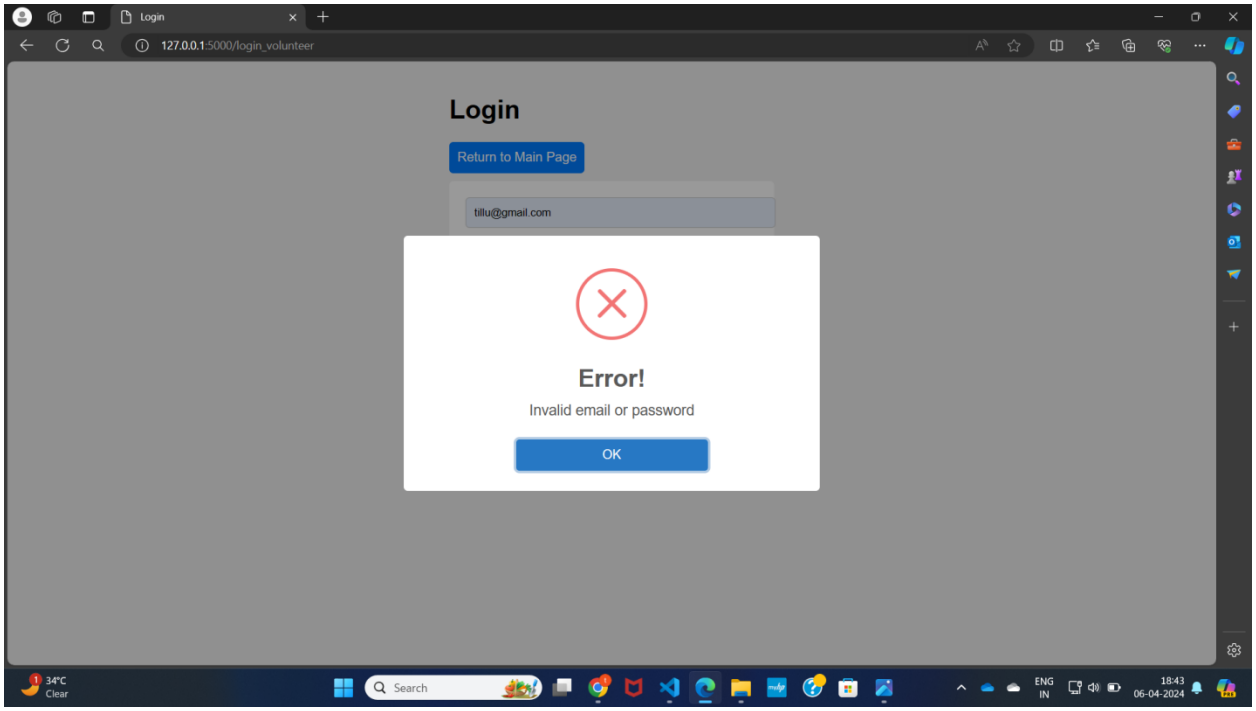
Class	Input	Expected output	Actual Output
volunteer	Email:tillu@gmail.com Password:tillu12	Error – incorrect email or password	Error – incorrect email or password
volunteer	Email:til@gmail.com Password:tillu123	Error – incorrect email or password	Error – incorrect email or password
volunteer	Email: tillu@gmail.com Password:tillu123	Success-login successful	Success-login successful

Successful login





Incorrect email id or password



REGISTRATION TESTING:

Classes:

- Volunteer
- Students(Self Registration)
- Students(Registration by Admin)

Volunteer registration:

Compulsory inputs:

- Name
- Email
- Password

Non compulsory inputs:

- Phone number

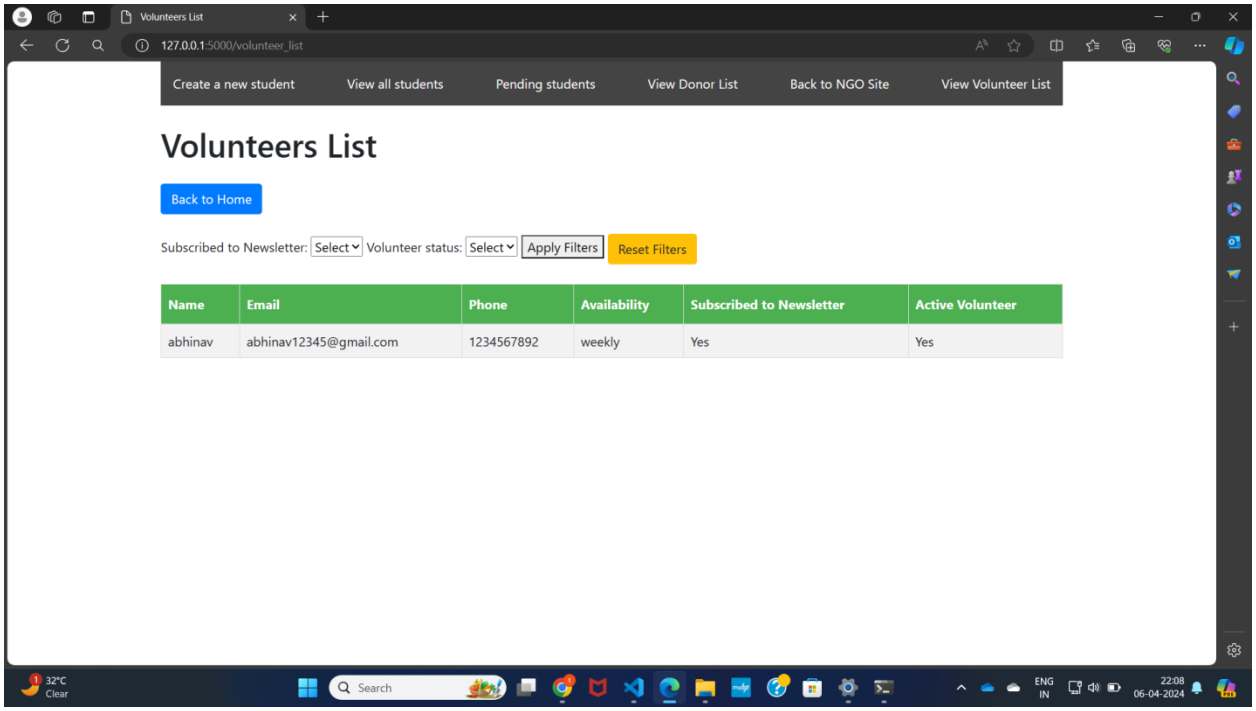
Default inputs:

- Subscribe to newsletter (default non subscription)
- Volunteer status (default active)
- Service timing(weekly/monthly) weekly default

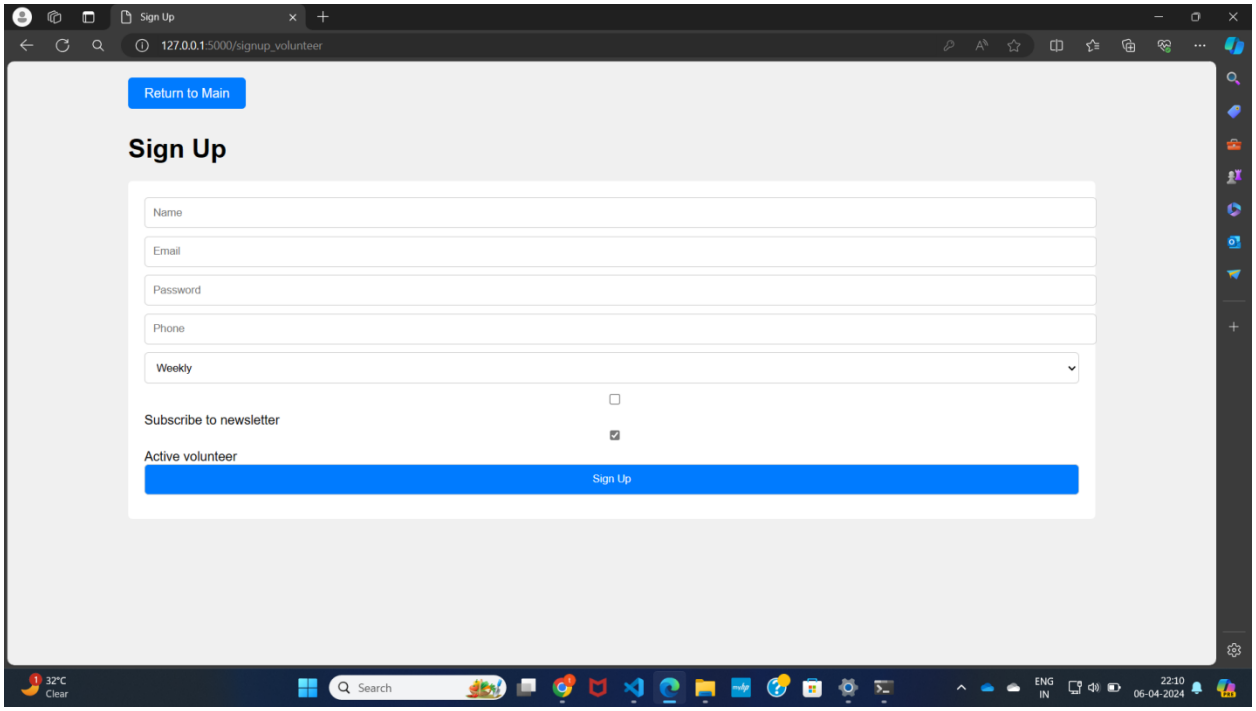
S.No	class	Compulsory inputs	Non compulsory inputs	Default inputs	Expected result	Actual result
1.	volunteer	Name: abhinav Email: abhinav12345@gmail.com Password: abhinav12345	Phone no: 1234567892	Newsletter: subscribed Volunteer status: Active Service: weekly	Data will be stored in volunteer list	Data is stored in volunteer list
2.	volunteer	Name: abhi Email: abhinav12345@gmail.com Password: abhinav1234	Phone no: 1234567893	Newsletter: subscribed Volunteer status: Active Service: weekly	Data will not be stored in volunteer list and directed to empty signup page	Data is not stored in volunteer list and directed to empty signup page

3.	volunteer	Name:”NULL” Email:abhinav123@gmail.com Password:abhinav123	Phone no: 1234567894	Newsletter: not subscribed Volunteer status: Active Service: Monthly	Asking to fill the name also	Asking to fill the name also
4.	volunteer	Name: abd Email: ”NULL” Password: abd123	1234567895	Newsletter: not subscribed Volunteer status: Active Service: Monthly	All entries are becoming empty	All entries are becoming empty
5.	volunteer	Name: abd Email: abd12345@gmail.com Password: ”NULL”	1234567895	Newsletter: subscribed Volunteer status: Active Service: Monthly	Asking to fill the password also	Asking to fill the password also
6.	volunteer	Name: abd Email: abd12345@gmail.com Password: abd12345	“null”	Newsletter: subscribed Volunteer status: Active Service: Monthly	Data will be stored in volunteer list even without phone number	Data is be stored in volunteer list even without phone number

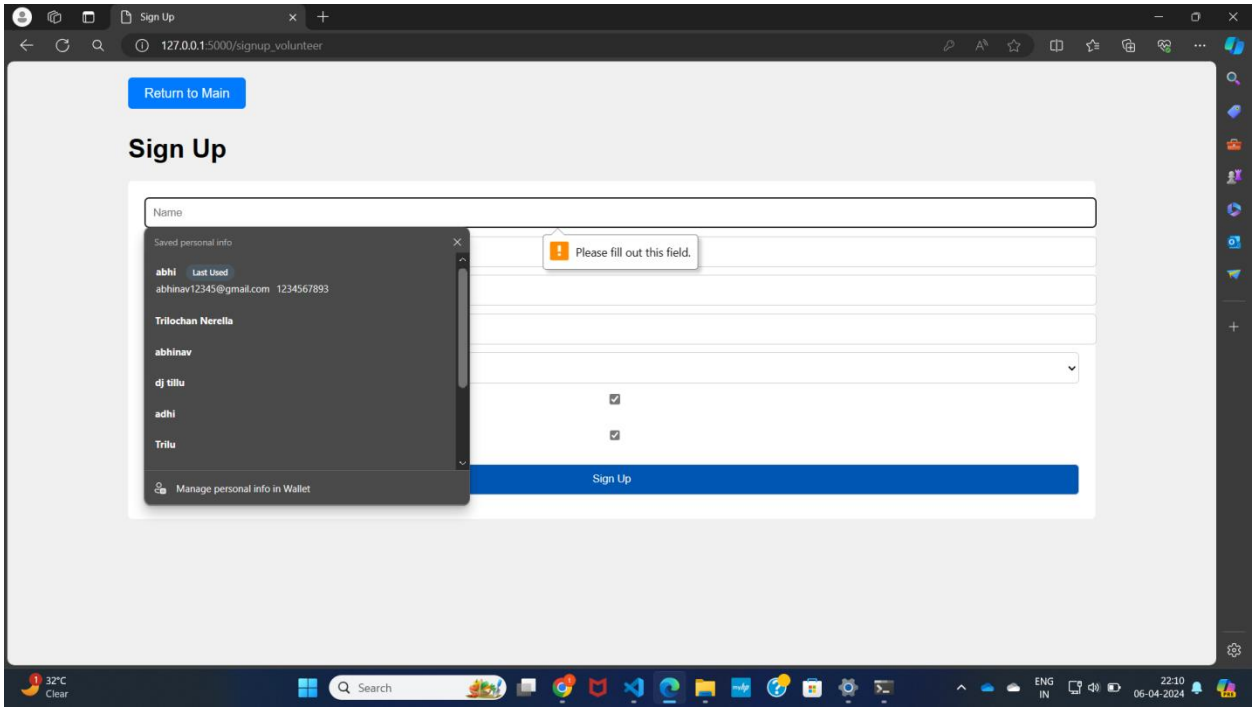
1.



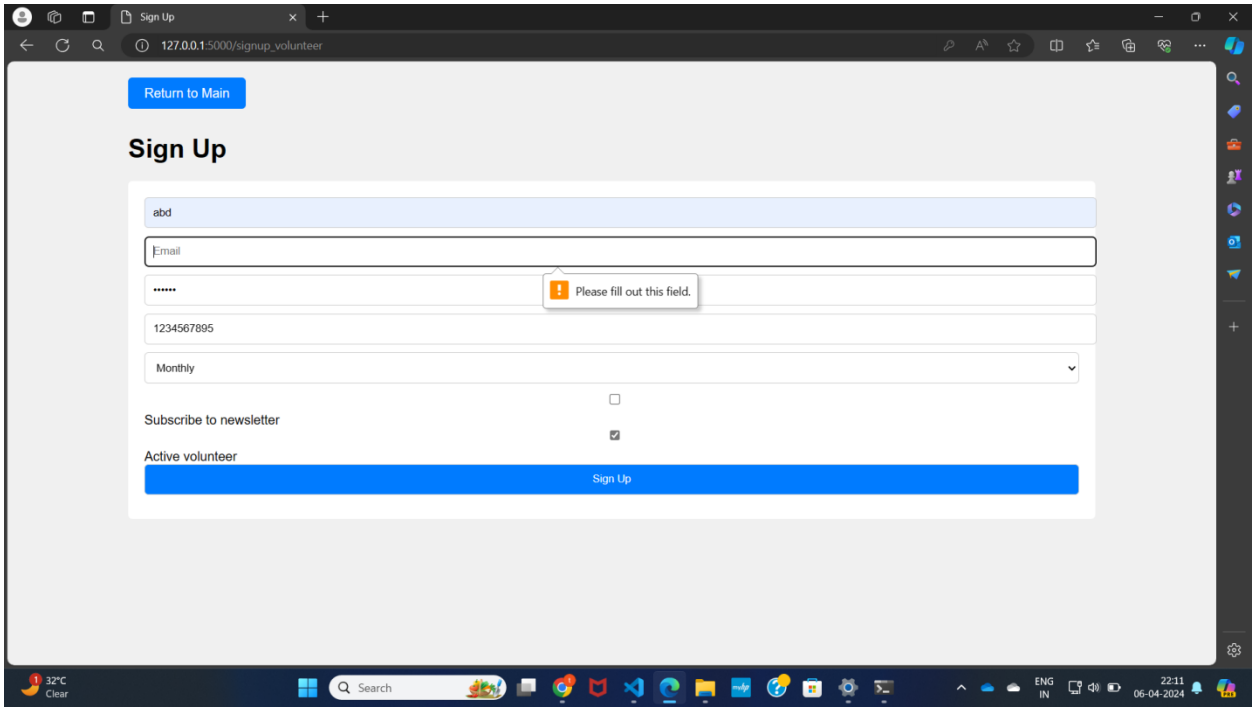
2.


Sign Up
127.0.0.1:5000/signup_volunteer
Return to Main
Sign Up
Name
Email
Password
Phone
Weekly
Subscribe to newsletter
Active volunteer
Sign Up

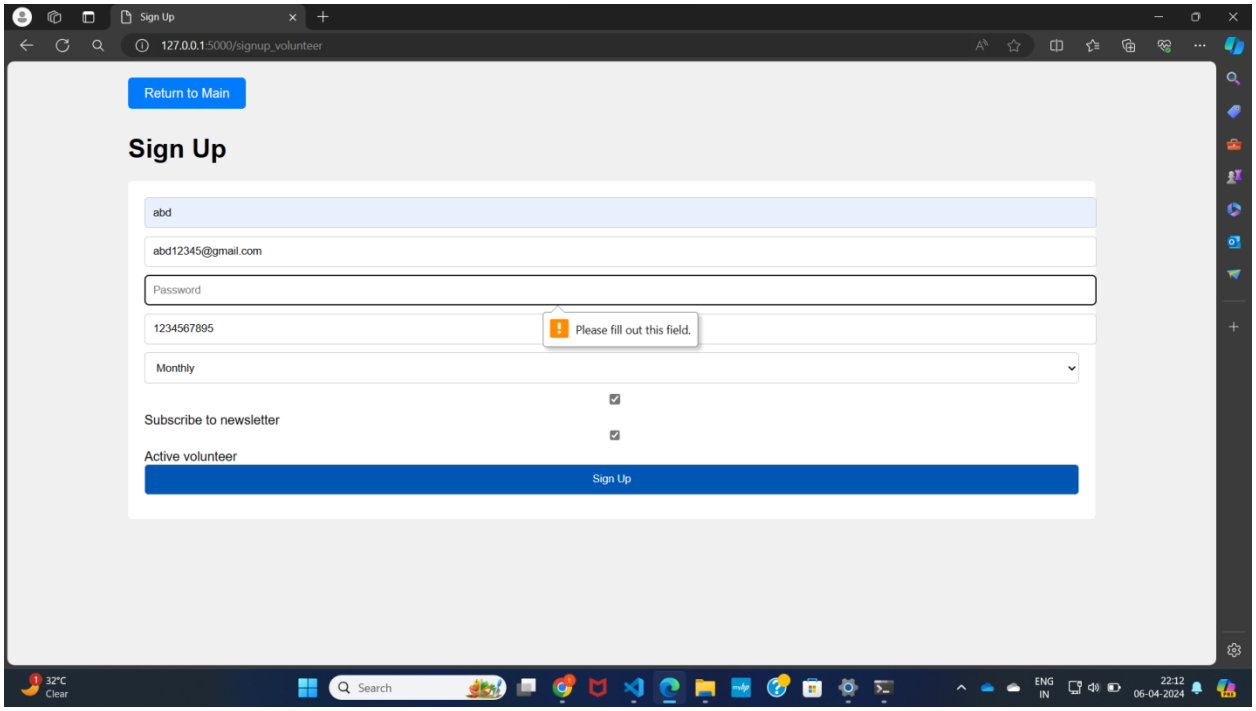
3.


Sign Up
127.0.0.1:5000/signup_volunteer
Return to Main
Sign Up
Name
Please fill out this field.
Saved personal info
abhi Last Used
abhinav12345@gmail.com 1234567893
Trilochan Nerella
abhinav
dj tillu
adhi
Trilu
Manage personal info in Wallet
Sign Up

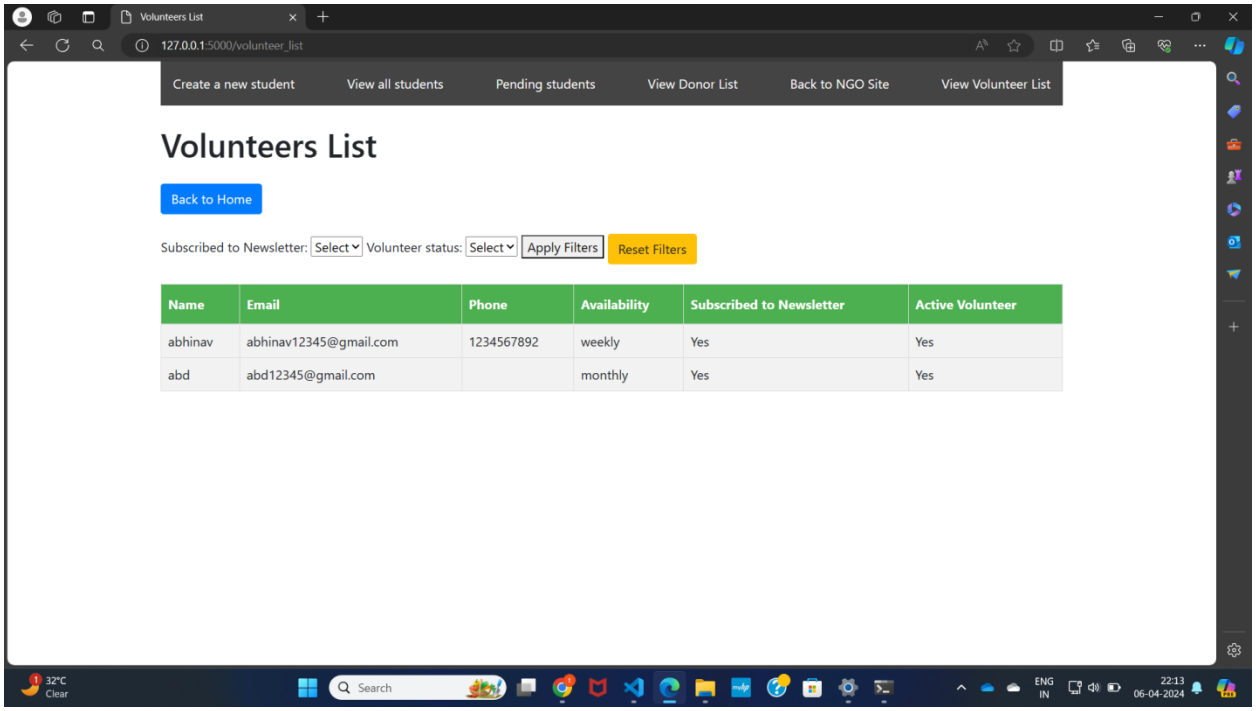
4.


Sign Up
127.0.0.1:5000/signup_volunteer
Return to Main
Sign Up
abd
Email
Please fill out this field.
1234567895
Monthly
Subscribe to newsletter
Active volunteer
Sign Up

5.


Sign Up
127.0.0.1:5000/signup_volunteer
Return to Main
Sign Up
abd
abd12345@gmail.com
Password
Please fill out this field.
1234567895
Monthly
Subscribe to newsletter
Active volunteer
Sign Up

6.



Student (self registration):

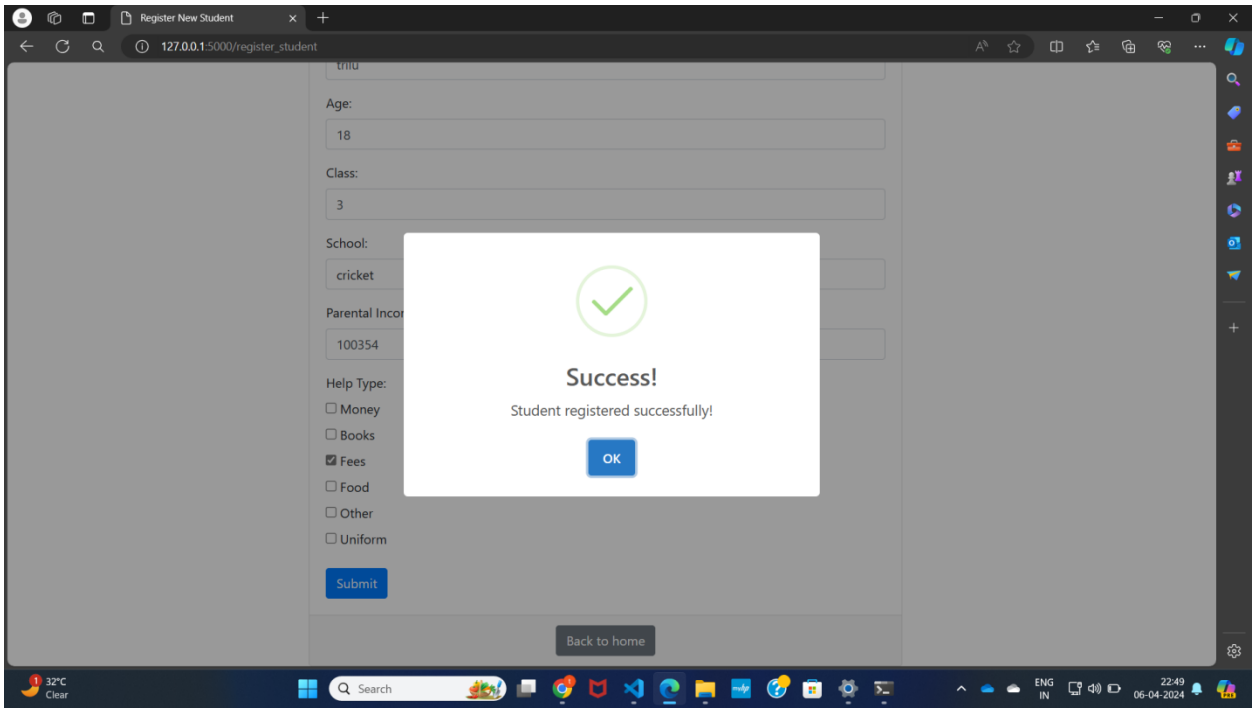
Inputs:

- Name
- Age
- Class
- School
- Parental income
- Help type

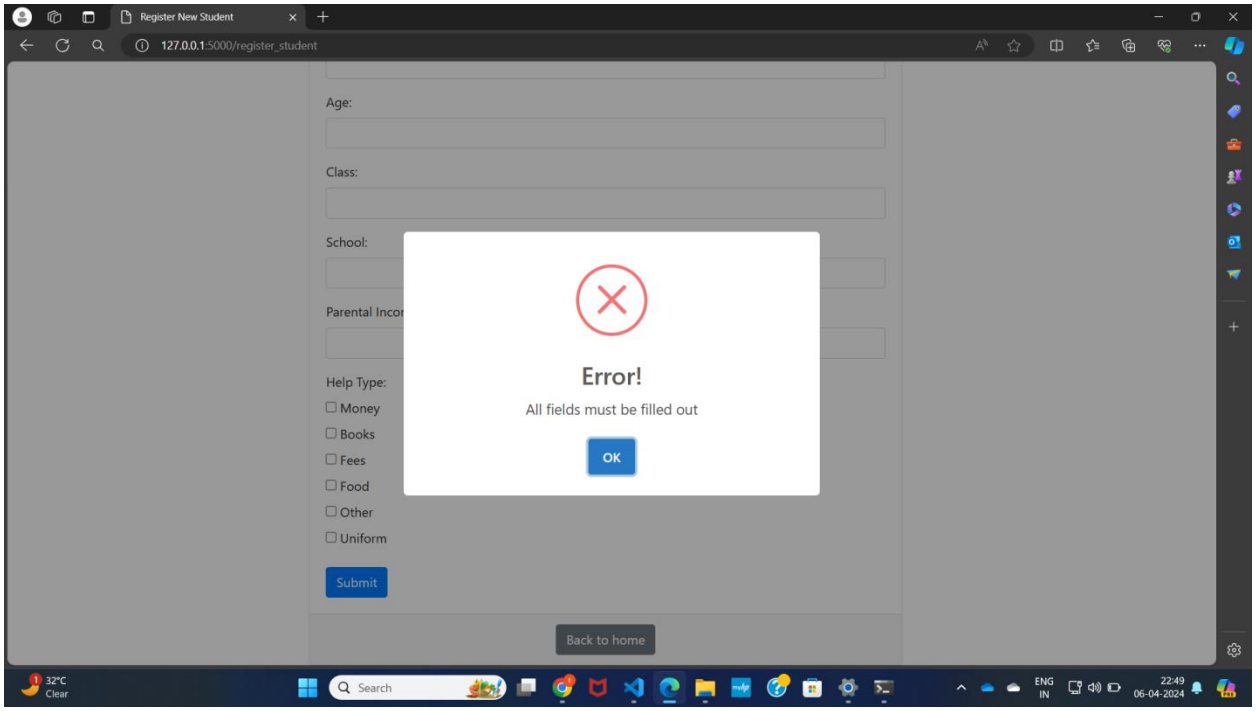
S.No	Class	Inputs	Expected Output	Actual Output
1.	Student	Name: Trilu Age:18 Class:12 School: ABCD School Parental Income:103250 Help Type: Fees	Success-Student Registration Successfully	Success-Student Registration Successfully
2.	Student	Name:”NULL” Age:18 Class:12 School: ABCD School Parental Income:103250 Help Type: Fees	Error-All Fields must be filled	Error-All Fields must be filled
3.	Student	Name: Trilu Age:”NULL” Class:12 School: ABCD School Parental Income:103250 Help Type: Fees	Error-All Fields must be filled	Error-All Fields must be filled
4.	Student	Name: Trilu Age:18 Class:12 School:”NULL” Parental Income:103250 Help Type: Fees	Error-All Fields must be filled	Error-All Fields must be filled
5.	Student	Name: Trilu Age:18 Class:12 School: ABCD School Parental Income:”NULL” Help Type: Fees	Error-All Fields must be filled	Error-All Fields must be filled
6.	Student	Name: Trilu Age:18 Class:12 School: ABCD School Parental Income:103250	Error-All Fields must be filled	Error-All Fields must be filled

		Help Type:”NULL”		
7.	Student	Name: Trilu Age:18 Class:”NULL” School: ABCD School Parental Income:103250 Help Type: Fees	Error-All Fields must be filled	Error-All Fields must be filled

1.



From S.No 2 to 7 all results are same



<u>Student (registration by Admin):</u>

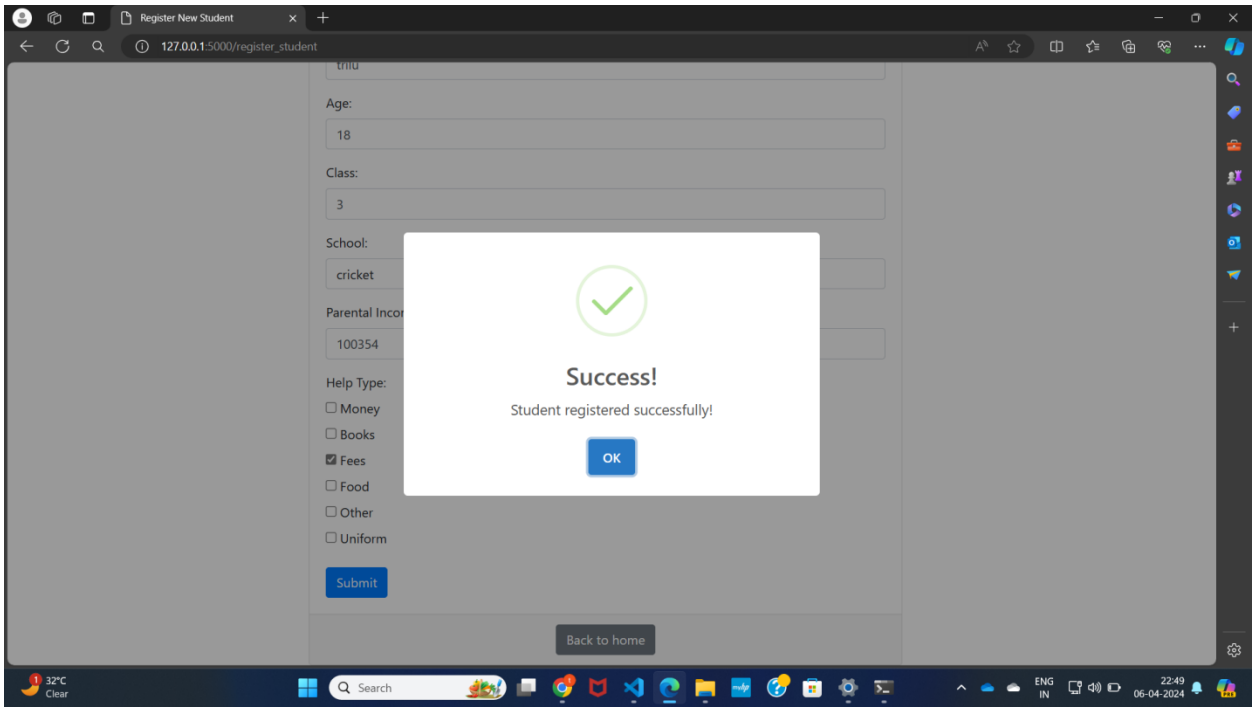
Inputs:

- Name
- Age
- Class
- School
- Parental income
- Help type

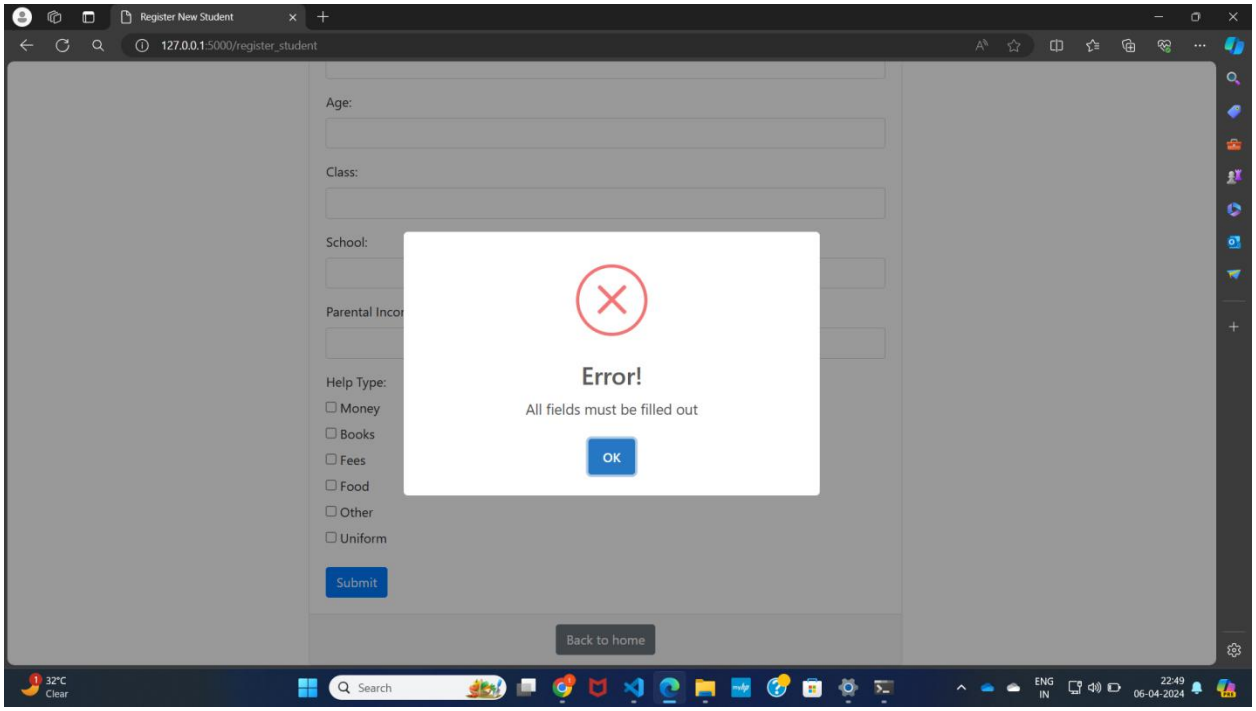
S.No	Class	Inputs	Expected Output	Actual Output
1.	Student	Name: Trilu Age:18 Class:12 School: ABCD School Parental Income:103250 Help Type: Fees	Success-Student Registration Successfully	Success-Student Registration Successfully
2.	Student	Name:”NULL” Age:18 Class:12 School: ABCD School Parental Income:103250 Help Type: Fees	Error-All Fields must be filled	Success-Student Registration Successfully
3.	Student	Name: Trilu Age:”NULL” Class:12 School: ABCD School Parental Income:103250 Help Type: Fees	Error-All Fields must be filled	Error-All Fields must be filled
4.	Student	Name: Trilu Age:18 Class:12 School:”NULL” Parental Income:103250 Help Type: Fees	Error-All Fields must be filled	Success-Student Registration Successfully
5.	Student	Name: Trilu Age:18 Class:12 School: ABCD School Parental Income:”NULL” Help Type: Fees	Error-All Fields must be filled	Error-All Fields must be filled
6.	Student	Name: Trilu Age:18 Class:12 School: ABCD School Parental Income:103250	Error-All Fields must be filled	Error-All Fields must be filled

		Help Type:”NULL”		
7.	Student	Name: Trilu Age:18 Class:”NULL” School: ABCD School Parental Income:103250 Help Type: Fees	Error-All Fields must be filled	Success-Student Registration Successfully

1.,2.,4.,7. All results are same



3.,5.,6. Results are same



Donate Form:

Inputs:

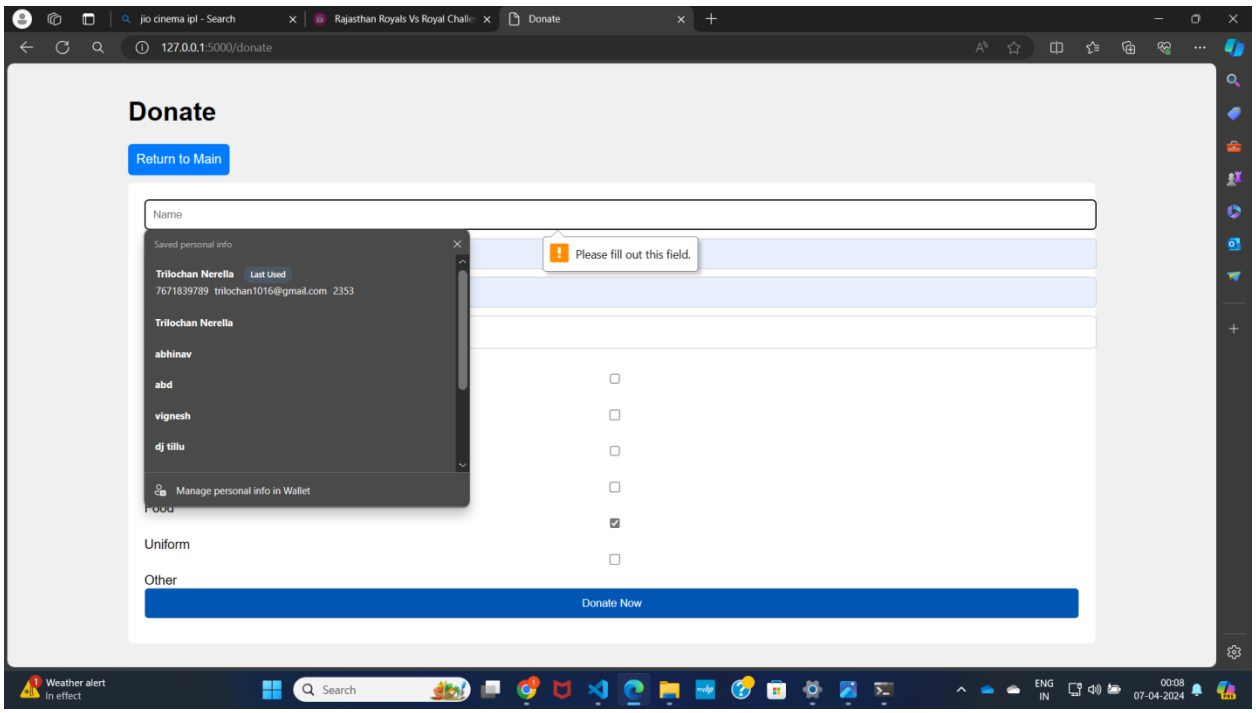
- Name
- Phone number
- Email
- Donation amount
- Type of help

S.No	Class	Inputs	Expected Input	Actual Input
1.	Donor	Name: Vignesh Phone Number: 1234567890 Email: Vignesh143@gmail.com Donation Amount: 10000	Data will be stored in the data base	Data is be stored in the data base

		Type of help: food		
2.	Donor	Name: “NULL” Phone Number: 1234567890 Email: vignesh143@gmail.com Donation Amount: 10000 Type of help: food	Data will not be stored in data base-“please fill out this field”	Data is not be stored in data base-“please fill out this field”
3.	Donor	Name: vignesh Phone Number: “NULL” Email: vignesh143@gmail.com Donation Amount: 10000 Type of help: food	Data will not be stored in data base-“please fill out this field”	Data will not be stored in data base-“please fill out this field”
4.	Donor	Name: Vignesh Phone Number: 1234567890 Email: “NULL” Donation Amount: 10000 Type of help: food	Data will not be stored in data base-“please fill out this field”	Data will not be stored in data base-“please fill out this field”
5.	Donor	Name: Vignesh Phone Number: 1234567890 Email: Vignesh143@gmail.com Donation Amount: “NULL” Type of help: food	Data will be stored in the data base with donation none	Data is be stored in the data base with donation none
6.	Donor	Name: Vignesh Phone Number: 1234567890 Email: Vignesh143@gmail.com Donation Amount: 10000	Data will not be stored in Data base	Data will not be stored in Data base

		Type of help: “NULL”		

2.



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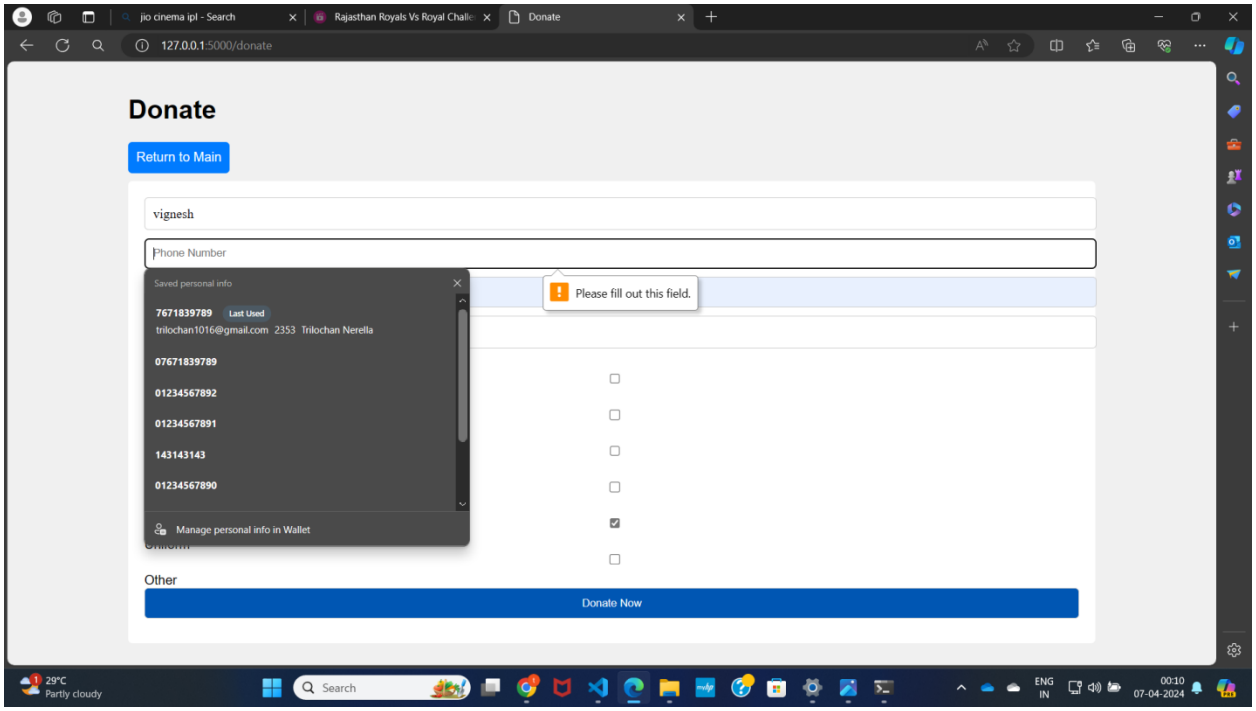
jio cinema ipl - Search
Rajasthan Royals Vs Royal Challe
Donate
127.0.0.1:5000/donate
Donate
Return to Main
vignesh
Phone Number
Please fill out this field.
Saved personal info
7671839789 Last Used
trilochan1016@gmail.com 2353 Trilochan Nerella
07671839789
01234567892
01234567891
143143143
01234567890
Manage personal info in Wallet
Other
Donate Now
29°C
Partly cloudy
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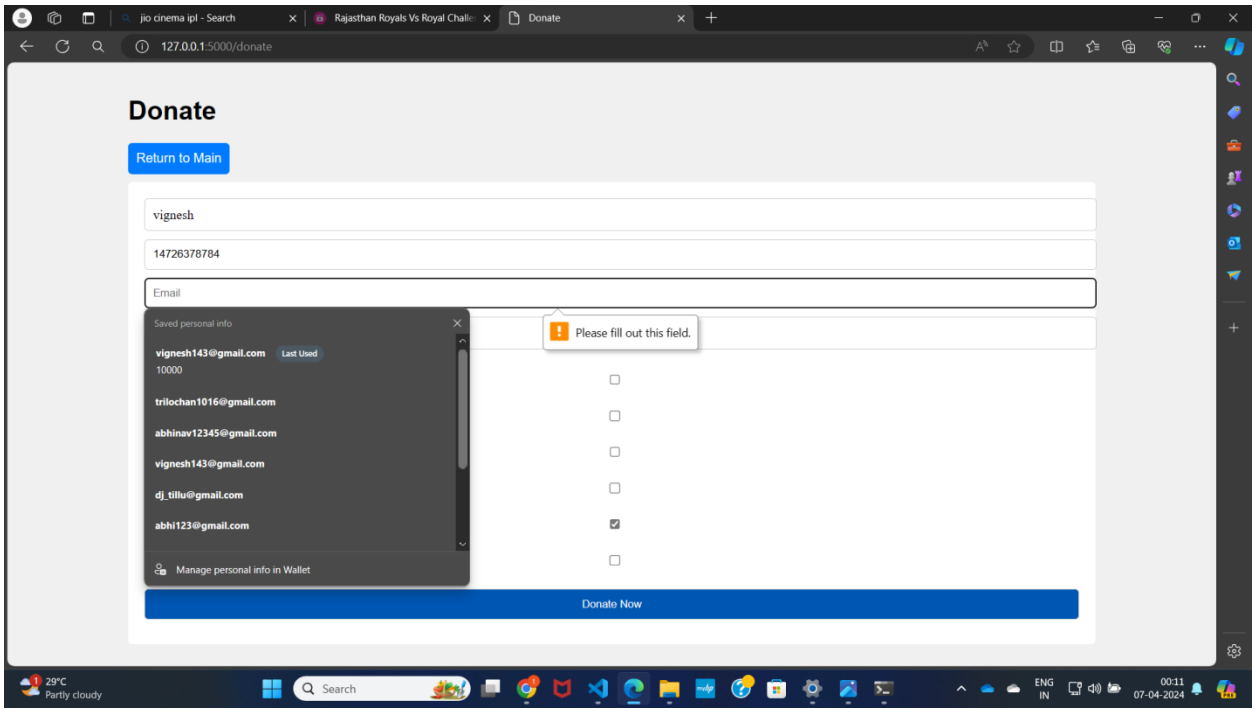
07-04-2024

4.


jio cinema ipl - Search
Rajasthan Royals Vs Royal Challe
Donate
127.0.0.1:5000/donate
Donate
Return to Main
vignesh
14726378784
Email
Please fill out this field.
Saved personal info
vignesh143@gmail.com Last Used
10000
trilochan1016@gmail.com
abhinav12345@gmail.com
vignesh143@gmail.com
dj_tillu@gmail.com
abhi123@gmail.com
Manage personal info in Wallet
Donate Now
29°C
Partly cloudy
Search
ENG
IN
00:11
07-04-2024