1. TEST PLAN IDENTIFIER:HBOA-01.3

2. REFERENCES

[1] https://www.mastul.net/

[2] https://humanistglobal.charity/bangladesh-poverty-hindus-and-orphans#:~:text=Street%20Children%20in%20Dhaka,at%20the%20age%20of%208

[3] https://humanparts.medium.com/ketchup-sandwiches-and-other-things-stupid-poor-people-eat-41617483b497

[4] https://rethinkorphanages.org/school-university-groups/information-about-orphanages-facts-about-orphans-statistics

3. INTRODUCTION

Bnagladesh has big amount of poor population and among them has most of the orphan people. In Bangladesh, a country of such poverty and also orphan, In our country has others orphanage agency but these are not sufficient.

By utilizing all available opportunities and implementing with all our help , Bangladesh can serve as a role model for donation and take care of all the Orphan in our country. Bangladesh has a wide range of Orphan and also enough people those who are financially strong. If the Orphanage agency grows, Orphan will be reduce and poverty will be reduced by doing away.

There's 64 million children in Bangladesh, 50% grow up impoverished, **4.8 million** are orphans. 25% of children between the age of 6-11 work to help support their families, for low wages in dangerous tasks; most children drop out of school at the age of 8. Children are often sold by their parents, girls can end up trapped forever in prostitution villages. Orphans and ‘street children” (500,000 in Dhaka) often survive by rummaging in landfills for food; they’re publicly abused, jailed unfairly for petty crimes, or forced into slavery by criminal gangs. Many die young of starvation, and disease. [2]

So, this is the reason we need Orphanage agency as if we can collect donation and after that we

Want to decrease the poverty and problem orphange. Though in our country many of the child

Orphans are homeless. [1]

Background to the Problem

- A common problem of Orphan is that they don't know about all the Orphanage Agency of Bangladesh, how to get a life to lead that are the way to live or get any facility . What will be the way to live when the child people are get orphan ? What is their future ? Are there anay way to live, anyone to take care about them , nothing to survive , and any orphanage agency nearby ? They experience many other such problems. Due to these problems, many people are living on the road. A well-optimized system or a platform can overcome these disadvantages as well as add a different dimension. Which is undoubtedly able to decrease the problem of Orphan.

- In our country has not Online Orphanage agency. This is the reason we can not get enough fund and the unfortunate people are not getting shelter to live. We want to do something for this problem with this software. We want to remove the poverty of Orphan people.

Solution to the Problem

- We are going to create a platform to serve as every Orphanage Agency to give shelter homeless Orphan child , where it will remove the poverty and unfortunate people will get the benefit to use this software and the donator can donate for their live. As a result, orphan people and the donator will be able to access it easily. Which will boost and motivate people to serve the people like that way. The software's goals are to to give the shelter for orphanage people and the poor people and also collect the donation. For the users, the software will act as a volunteer for the donator. The software's goal will be to give to make easy to get fund and the donator and for the volunteer .

- Through the proposed system a user can **i)** view the list of all Orphanage agencies destinations. **ii)** Donator can donate here . **iii)** Volunteer can be informed about important and necessary installations in the vicinity. **iv)** Volunteer can collect the donation . **v)** Communicate with other users(donor) of the system. **vi)** Can share any orphanage agency. **vii)** Donor can plan donate the donation and the orphsn child and make them open to everyone.

- Nowadays have different kind of donation platform but there is no orphanage agency which will be helpful for child orphan and orphan people and the homeless people. There are some existing systems but their functionality and features are very limited and not widely used freely. This platform offers more and more modern features than them.

4. REQUEIREMNT SPECIFICATION

4.1 System Features

1. System Login

Functional Requirements

1.1 The sytem login will allow with their given username and password
1.2 If thye system gets the wrong password or any wrong username it will make warning
1.3 If the number of login attempt exceed its limit (10 times), the system shall block the user account login for one hour *[optional function]*

Priority Level: High
Precondition: user should have valid user id and password

2. Donor details

Functional Requirements

2.1 Donor can Show his information from here
2.2 Donor can update his information
2.3 To confirm update information dnor needs to type password again

Priority level: Medium

Precondition: User can successfully login.

3. Volunteer list

Functional Requirements

3.1 Volunteer can see all the list of Orphanage agency
3.2 By click agency name he can see details about agency and donor
3.3 Relevant orphan and the donor and agency address should be given.

Priority Level: Low
Precondition: N/A

4. Agency list

Functional Requirements

4.1 Agency can see all the list of Orphan

4.2 Agency can see all the list of Volunteer
4.3 Agency can see all the list of Donor
4.4 By clicking Orphan/Volunteer/Donor name agency can see details about them

Priority Level: Low
Precondition: N/A

5. Navigation

Functional Requirements

5.1 The system navigator initially indicates all the agency spot and location of the volunteer.
5.2 If select any agency or volunteer by the Donor or agency then it will enlarge and additional features will open.
5.3 User can see route direction by using navigator
5.4 Besides it shows nearby agency , volunteer, of selected agency and volunteer.
5.5 User can search any specific agency/volunteer from navigation search bar.

Priority Level: Medium
Precondition: Navigation features integrated properly

6. Community

Functional Requirements

6.1 Donator can search agency and volunteer by name
6.2 Donor can get connected with other volunteer and the agency
6.3 Volunteer can make group with multiple members.
6.4 In community they can share their thoughts, chat with each other.

Priority level: Medium

Precondition: Chatting and other writing section should be developed.

7. Event

Functional Requirements

7.1 The system allows donor to create an event.
7.2 Event contains a detail, event time and place.
7.3 Other donor can interest this event by clicking interest button.
7.4 Interested people can make event together.

Priority level: Medium

Precondition: Community section should be developed.

8. Comment

Functional Requirements

8.1 Donor can write his thought about any specific reason and thinking.
8.2 If user face any difficulties, he can aware another by comment by writing section.

Priority level: Medium

Precondition: User can successfully login.

9. Online donation system

Functional Requirements

9.1 By this system donor can donate by using online payment method system.
9.2 Donor can get prove and evidence about donation amount.

Priority level: High

Precondition: User has online payment resource.

10. Admin Features

Functional Requirements

10.1 Admin can change the password.
10.2 Can add a volunteer
10.3 Can see the details of donor and the volunteer
10.4 Admin can delete the volunteer
10.5 Admin can update the volunteer details

Priority level: High

Precondition: admin must have valid user name and password

11. Logout

Functional Requirements

11.1 By click this system logged out his account.
11.2 Remove user session.
11.3 Get back login page.

Priority level: High

Precondition: User has valid id.

4.2 System Quality Attributes

- **Usability:**

This can be estimated with regards to usability. The system ought to be easy to understand. An everyday Donor of our very own ought to have the alternative to post about his/her donation on a regular of 5 minutes and a restrict of 7 minutes. Our framework highlights are not difficult to advance as route is particularly basic. It's Easy for a new or uncommon user to determine out how to utilize the framework.

- **Maintainability:**

Maintainability is the term that defines that how easily the maintenance team can perform their task. The main task of our maintenance team is to solve the overload in the crucial moments and give auto update to our donator in a short amount of time so that easily find bus tickets for their destination.

- **Reliablity:**

The operation for which the donor performs the action must be 100% correct. No more than 2 experimental runs out of 1000 can be lost because of software failures.

- **Efficiency:**

Main system quality features. Any given task in the system is measured in terms of time required to complete it. The efficiency of the application will be large. The system should work very quickly and smoothly. Do not put excessive pressure on the device while running the system. At least 50 percent of the processor capacity and RAM available to the application shall be unused at the planned peak load conditions.

- **Integrity/Security:**

Stay safe from various security threats and attacks. Because all data will be exchanged between different kind of agency, we will prioritize confidentiality. Users should be able to perform security tasks with ease, and two-factor authentication and other security layers will be deployed as required. If someone tries to enter illegally, it will be identified and blocked. Access to personal information will be controlled by the individual himself.

- **Flexibility:**

This system will be very flexible. A maintenance programmer with at least 5 years of experience supporting this product will be provide a good output for the product, including code changes and

testing, with no more than one hour of labor.

- **Testability:**

It means how easily the testing team can perform their work .Testing team must need easily perform their task. Testability is very much depended on modularity. our system is built module wise the tester will go easy; they don't have to test every module to fix bugs.

- **Reusability:**

Map structure input functions shall be designed to be reusable at the object code level in other applications that use the finding structure representations.

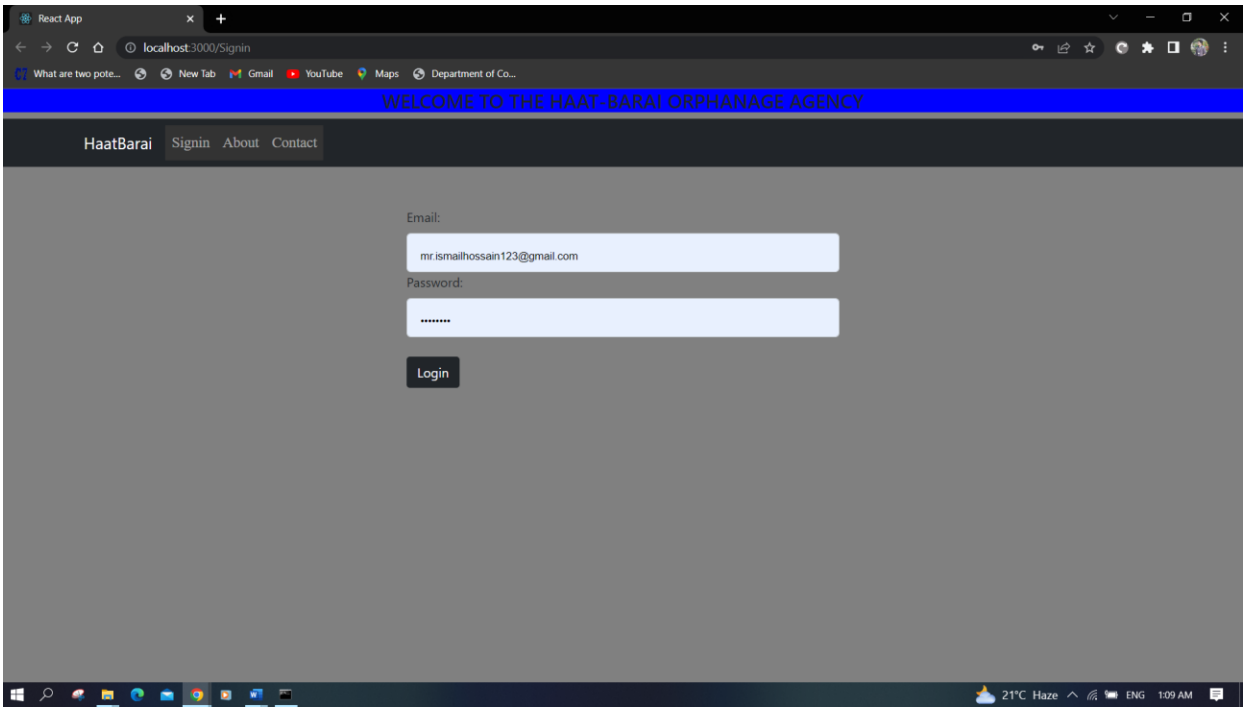
- **Extensibility:**

The underlying structure of the program will be so basic that any future enhancements will not have an impact on the rest of the code. If any of the features is need then we can extend.

4.3 System Interface:

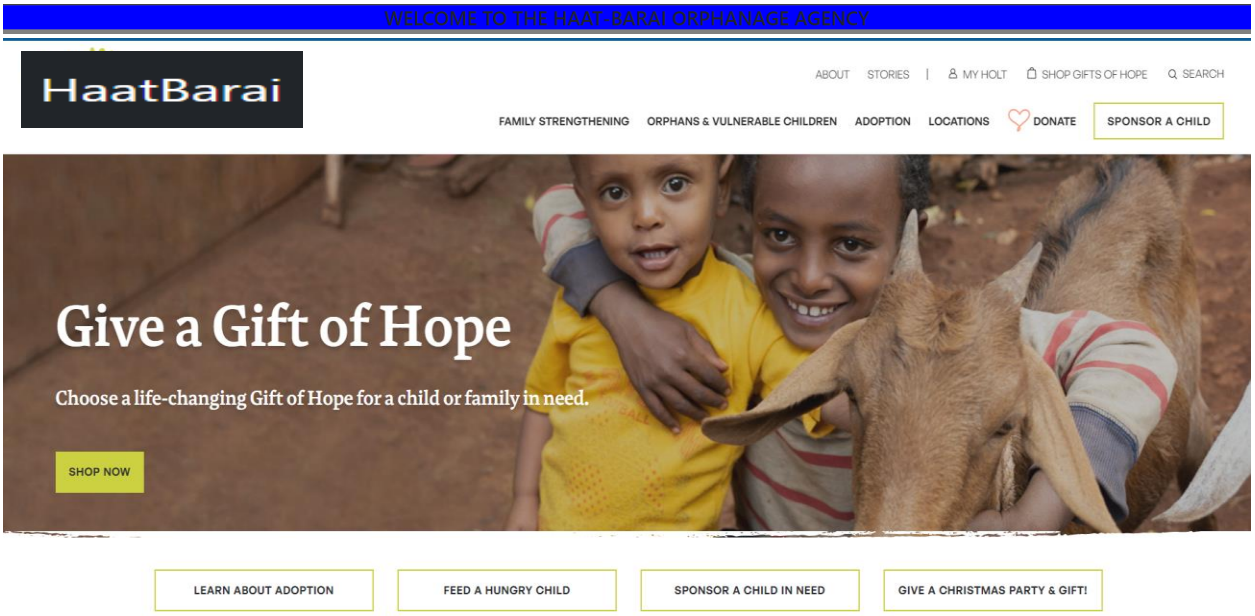
Interface 1: Here, this is login area of HAAT-Barai Orphanage agency.

The i) Agency ii) Donor iii) Volunteer can take the registration from this page.



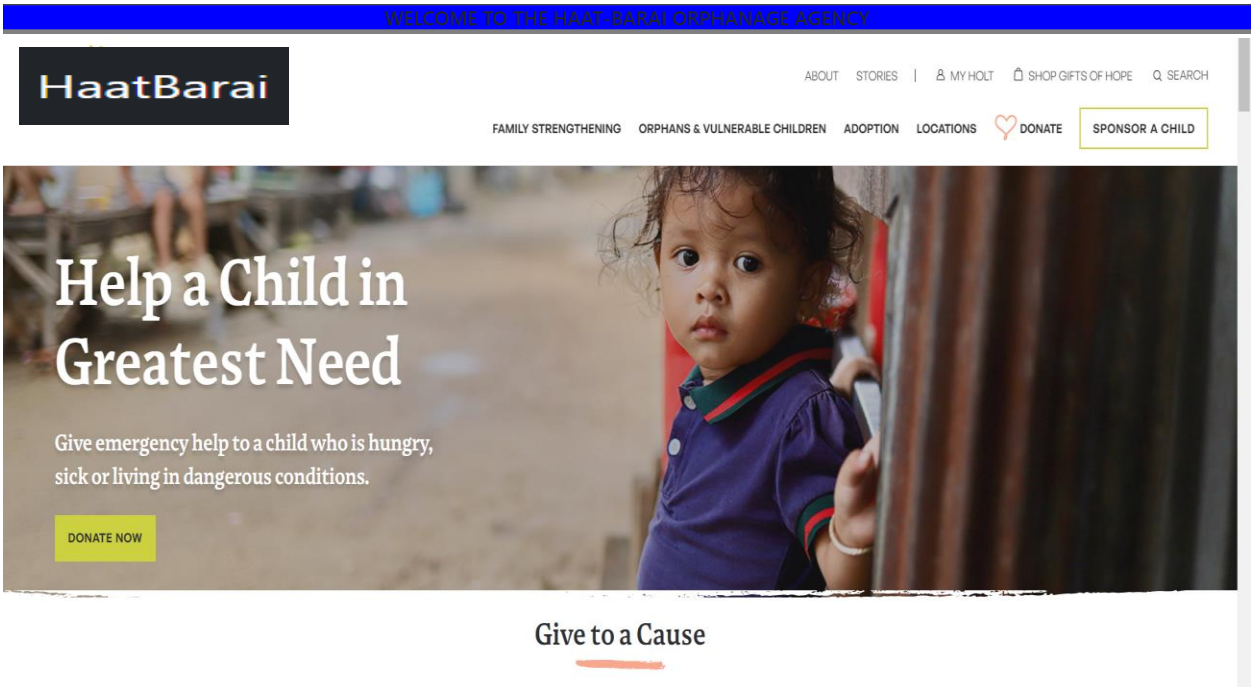
Interface 2:

This is the Dahboard of the agency, from this page we can donate and we can login as a donor and the volunteer also can access from that page.



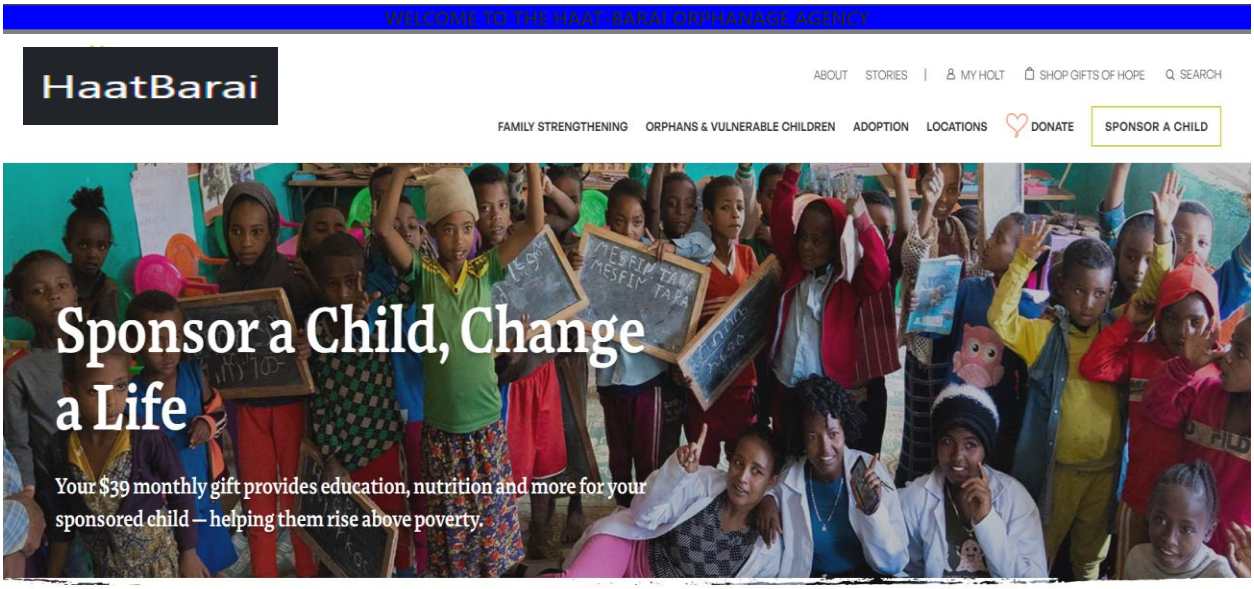
Interface 3:

This interface is donation interface. The donor can donate the orphan and the any of the helping amount from this interface.



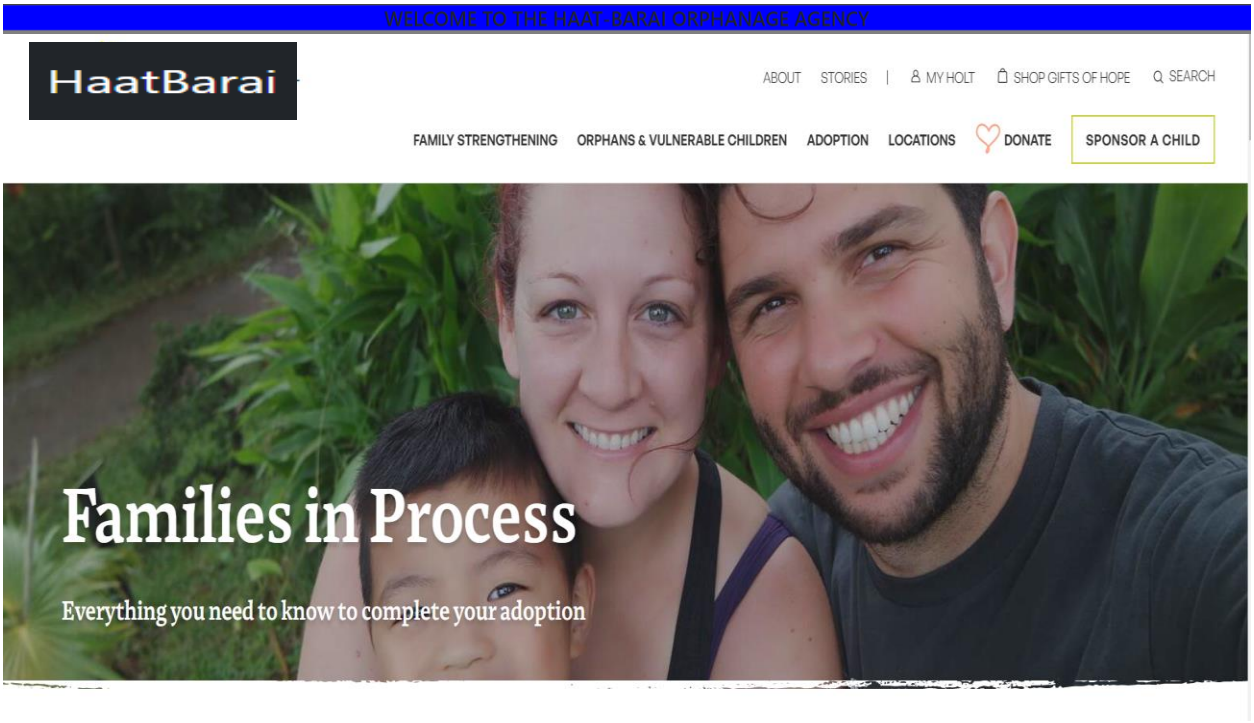
Interface 4:

This is a sponsorship page any company or foundation can sponsor here.



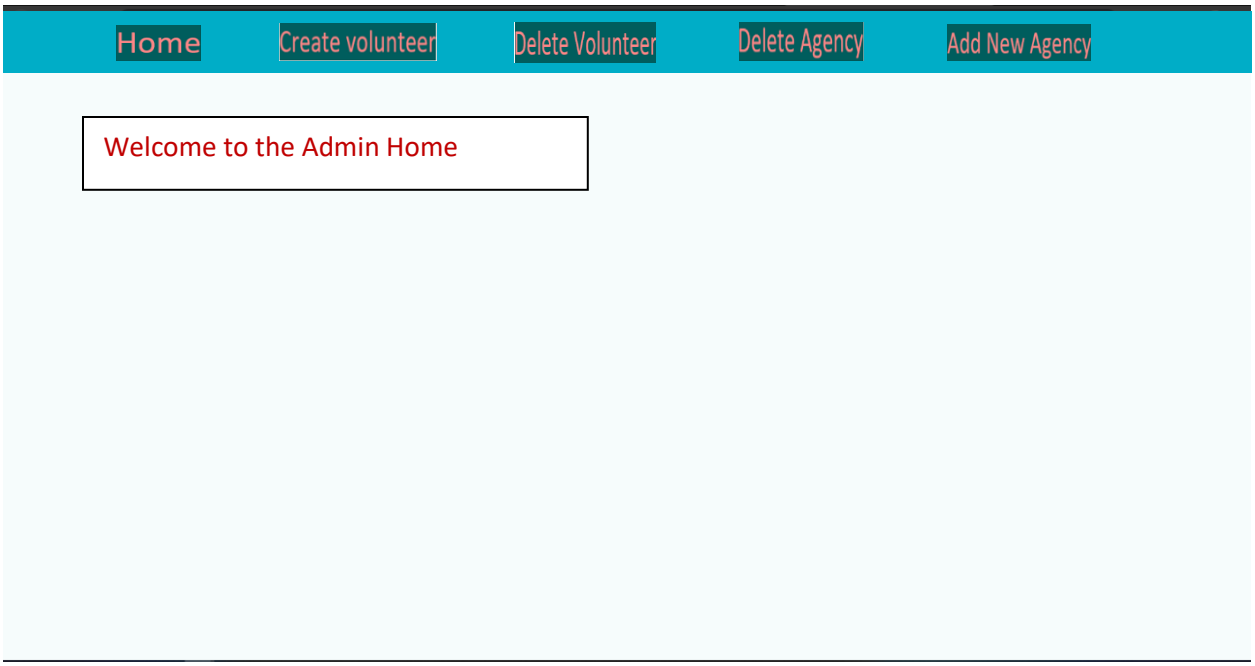
Interface 5:

From this page someone can adopt the orphan baby

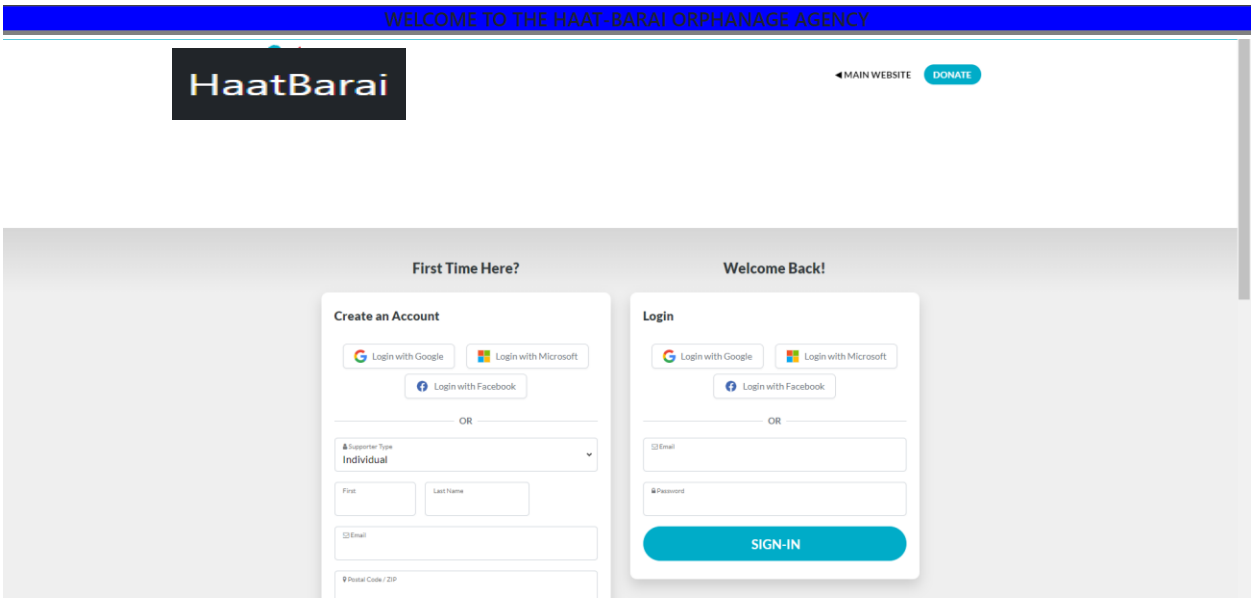


Interface 6:

This is basically admin page. Admin can add and maintain everything and admin can delete and add new volunteer



Interface 7:
This is basically registration page. We can take registrtion from here



4.4 Project Requirements

- The list of project restrictions (including those related to time, money, resources, and the environment) that must be adhered to during project management is provided below, along with calculations.

COCOMO is a procedural cost estimate model for software projects and often used as a process of reliably predicting the various parameters associated with making a project such as size, effort, cost, time and quality.

So, we will used Constructive Cost Model (COCOMO) to calculate the estimation of our project were,

D = Total time required for project development in Months (M).

KLOC = The size of the code for the project in Kilo lines of code.

a, b, c, d = The constant parameters for a software project.

For, Organic Software Project,

Effort factor= a
= 2.4

Project complexity= b
= 1.05

Coefficient=d
= 0.38
c=2.5
Consider, kilo line of code KLOC=3500

Effort Estimation Formulas:

Effort, E = (a(KLOC)^b) *EAF
= (2.4 * (3500/1000) ^1.05) * 0.81
= (2.4 * (3.5) ^1.05) * 0.81
= 7.22 ~7 person-month

Development Time, D = c(Effort)^d
= 2.5*(7) ^0.38
=5.23 ~5
=5

Required number of people = Effort/Time
= 7/5
=1.4~ 2
=2

Budget Estimation:

4 developers and/or engineers working of 2 months:

Duration in weeks = 6 weeks

Office days = 5 days

Working hours = 8 Hours

So, per week working hours is = (5*8) hours

= 40 hours

Hence, Total Working hours is = (40*6) hours

= 240 hours.

Per hour Developer salary is = 1000 BDT

Total developers Salary = (1000*240) BDT

= 240000 BDT

Item Name	Setup	Development	Monthly servers/services Cost	Amount/ Taka
Google	-	120 hours * 30 =3600	-	3600
Events System	-	120 hours * 30 = 3600	-	3600
Web APP	30 hours * 60 =7800	160 hours * 60 = 9600	60	17460
Media Services	-	70 hours * 60 = 4200	-	4200
Naviagtion service	32 hours * BDT 30 = BDT 960	120 hours * 60 = 7200	-	8160
Chat and message Box	-	64 hours * 60 = 3840	-	3840
Fill and Submit Forms	16 hours * 30 =480	16 hours * 60 = 960	-	1440
Gallery	-	100 hours * 60 = 6000	-	6000
Notification Service	40 hours * 30 =1200	350 hours * 60 = 21000	100	22300
Software development kit	80 hours * 30 =2400	480 hours * 60 = 28800	-	31200
Booking and Reservations	-	64 hours *60 = 3840	-	3840
Customer's Feedback	-	250 hours * 60 = 15000	-	15000
Email Service	160 hours *30 = 4800	64 hours * 60 = 3840	100	8740
API Services to make it public	80 hours *30 =2400	480 hours * 60 = 28800	300	31500
Setup & Design Packages	-	-	4500	4500
Donor Profile	48 hours * 30 =1440	80 hours * 60 = 4800	60	6300
Camera (Image, Animation)	8 hours * 30 =240	40 hours * 60 = 2400	-	2640

Host and develop	-	-	4500	4500
Total	**21720 Taka**	**147480 Taka**	**9,620 Taka**	**178820**

5. FEATURES NOT TO BE TESTED

Th The following is a list of the areas that will not be specifically addressed. All testing in these areas will be indirect as a result of other testing efforts. Below there are some modules in our project we did not perform selenium testing.

1. Admin:
    - Comment section
    - Update Profile
    - Delete volunteer

2. Agency site :
    - Donor personal info
    - Donation list

3. Volunteer site:
    - own information
    - regular activity

4. Donor site:
    - Own profile
    - Regular activity
    - Update

6. TESTING APPROACH

6.1 Testing Levels

- **UNIT TESTING:**
  In the early stages of software development, we test each individual unit of the program through unit testing. Units are discrete, compact, and independent components of a program. The major objective is to make sure that the tiniest components are functioning correctly so that they do not present a problem after being integrated into a module. Part of the code must be separated and tested separately as part of the unit test. When creating or coding those units, the developer will run these tests. The lead of the development team can keep an eye on unit tests. From official websites, you can get testing tools and packages. Without waiting for the project to be integrated or for additional code, we may test the simplest project components early on. By running unit tests, we can make sure that even the smallest units work properly,

find bugs as soon as they arise, and make later debugging processes and product quality easier.

- **INTEGRATION TESTING:**
  Testing will be done by the test manager and development team leader, with support from individual developers as needed. There are no specialized test tools available for this project. A System/Integration test will be performed on the programs when all critical flaws have been fixed. As long as the problems do not prohibit the program from being tested, a program may have up to two significant flaws. The entire App system is put through system testing. It makes it possible to check whether the system complies with the standards. It investigates how the various components interact overall. The procedure includes load, performance, reliability, and security testing. In this step, various modules will be connected.

- **SYSTEM TESTING:**
  After integration testing is finished, system testing should be carried out to make sure that all the connected modules are functioning properly as a whole. Additionally, a dedicated testing crew should carry out this. Since it is not necessary to understand what is contained in those modules or how they function, it might be referred to as "Blackbox" testing. We test the system as a whole, and the tester should be familiar with the needs and in use of the application. Additionally, before starting the system, essential modules must be prioritized and the test approach must be ready. To ensure that all of the components and external applications work together, end-to-end testing is necessary. Correct system testing will make future mitigating and maintenance much simpler. Bugs with low priority can wait until acceptance testing to betested.Toprovide the highest level of product quality, system testing must examine all the software's quality attributes.

- **ACCEPTANCE TESTING:**
  With assistance from the test manager and development team leader, actual end users will conduct the testing. For one month following the conclusion of the System/Integration test, the acceptance test will coexist with the currently used manual procedure. The development team does internal acceptability testing first, as seen by the client. The application is presented to users for official acceptance testing if the developer team is pleased. If the software satisfies the client's expectations, they approve it with or without agreeing to the implementation of certain future requirements.

- **BETA TESTING:**
  Sometimes some software releases a free version to get user complaints, suggestions and feedback before releasing it. This version or testing process is called beta testing. In this process, improvements are made based on user feedback.

6.2 Test Tools

For the project required testing tools are described below –

Selenium:

Selenium is the most popular open-source browser automation tool that can run scripts across multiple browsers and automate web application for testing. It is an enhanced framework that supports cross-platform and cross-browser and can be easily integrated. It is language independent and support various popular languages such as Java, C#, Python, Ruby, PHP, JavaScript etc. it can be integrated with popular testing tools such as SauceLabs, Maven, TestNG, QMetry, Extent, JUnit and others and run parallel testing. It is not a single tool, instead it's a collection of tools that can later be integrated with Agile, DevOps others. We can also handle reports with selenium. Selenium itself offers different tools like Selenium IDE, Selenium WebDriver, Selenium Grid etc. Selenium also supports mobile testing. We can test hybrid, native or mobile web apps with selenium. For mobile testing, few popular tools of selenium are Appium, Selendroid, Robotium, IOS-driver etc. supporting Android, IOS and other popular OS. Selenium is a universal use case which is good enough for testers to put forth a greater effort and ignore the codeless trend.

Postman:

By the postman we will test the data passes from the database or not. Sometimes the data doesn't passes from the datbase. So, we can be confim by the Postman is it comes or not. Sometimes we have use API concept with this thinks. We can run end-to-end testing and evaluate functionality, performance, exceptions, reliability, and debug. It can send API requests and monitor responses from API and also automate the whole process. It offers various integrations of tools like Jenkins, Travis CI to automate API tests. For CLI (command line) newman can be used with postman. It can also import different schema formats like JSON, Rest, OpenAPI, GraphQL, cURL, RAML, Swagger. Data can be easily tracked with the help of Postman test reports that is sent through the request builder. On test failure, it generates reports using Collection runs. Also, we can generate reports in HTML format.

Meetings

holding regular team meetings is crucial for a successful team. At least once a week the testing team will meet to assess the progress and identify wrong trends and concerns as early as possible.
Once every 10 working days the test team leader will discuss with the project manager.
Further meetings may be called in case of emergency. During the beta and acceptance testing phase, a meeting with the client will be scheduled. Moreover, necessary meetings can be arranged for various needs or ambiguous situations.

7. TEST CASES/TEST ITEMS

Test Case: 01

Project Name: HAAT-BARAI Orphanage Agency			Test Designed by:ISMAIL HOSSAIN PRANTO	
Test Case ID: HBOA_01			Test Designed date: 13.12.2022	
Test Priority (Low, Medium, High): Medium			Test Executed by: ISMAIL HOSSAIN PRANTO	
Module Name: Login Session			Test Execution date:11.12.2022	
Test Title: verify login with valid username and password				
Description: Test website login page				
Precondition (If any): User must have valid username and password				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the website 2. Enter username 3. Enter password 4. Click submit	Username: ismail@xyz.com Password: 321	user should login into the application	As expected,	Pass
Post Condition: User is validated with database and successfully login to account. The account session details are logged in the database.				

Test Case 2:

Project Name: HAAT-BARAI Orphanage Agency			Test Designed by: ISMAIL HOSSAIN PRANTO	
Test Case ID: HBOA_02			Test Designed date: 10.12.2022	
Test Priority (Low, Medium, High): Medium			Test Executed by: ISMAIL HOSSAIN PRANTO	
Module Name: Community			Test Execution date:11.12.2022	
Test Title: Donor can make community with other users.				
Description: Test the donor can make community, can chat with other group members in group.				
Precondition (If any): Donor need to connect with others.				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
5. Go to Community 6. Choose person and make group 7. Chat with others. 8. Add members 9. Request approval	Chatting with others in personal in group.	Donor should chat with others in personal or in group.	As expected,	Pass
Post Condition: Donor chats with other group members in personal or in group.				

Test Case 3:

Test Case ID: HBOA_03			Test Designed date: 13.12.2022	
Test Priority (Low, Medium, High): High			Test Executed by: ISMAIL HOSSAIN PRANTO	
Module Name: Registartion session			Test Execution date:11.12.2022	
Test Title: Store the data for the login action perform				
Description: Test website registration page page				
Precondition (If any): User must have valid email and strong password				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the website 2. Enter username 3. Enter password 4. Click submit 5. Then it is ready to login	Username: ismail123 Password: 321@#	Successfully registered	As expected,	Pass
Post Condition: User is validated with database and successfully registered to account. The account session details are stored in the database.				

Test Case 4:

Project Name: HAAT-BARAI Orphanage Agency	Test Designed by:ISMAIL HOSSAIN PRANTO
Test Case ID: HBOA_04	Test Designed date: 13.12.2022
Test Priority (Low, Medium, High): High	Test Executed by: ISMAIL HOSSAIN PRANTO
Module Name: Admin Login Test	Test Execution date:11.12.2022
Test Title: Admin Login Test	
Description: Check Admin Login Test Module works perfectly or not.	
Precondition (If any): Admin must be logged in into login page.	

Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the"Website" 2. Click on "Admin Login" button from right top section. 3. Enter password 4. Click submit 5. Then it is ready to login into the admin panel	Username: ismail123 Password: 321@#	Admin Login Test must be successful & proper successful messege will be displayed.	Admin Login Page Test successful with proper message	Pass
Post Condition: login test successful				

Test Case 5:

Project Name: HAAT-BARAI Orphanage Agency			Test Designed by: ISMAIL HOSSAIN PRANTO	
Test Case ID: HBOA_05			Test Designed date: 13.12.2022	
Test Priority (Low, Medium, High): Low			Test Executed by: ISMAIL HOSSAIN PRANTO	
Module Name: Agency list showing			Test Execution date:13.12.2022	
Test Title: verify enter the website.				
Description: Test website page				
Precondition (If any): N/A				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the website 2. Enter agency list	Agency list should be in database.	Donor and volunteer should see the list of agency	As expected,	Pass
Post Condition: list check successful				

Test Case 6:

Project Name: HAAT-BARAI Orphanage Agency	Test Designed by: ISMAIL HOSSAIN PRANTO
Test Case ID: HBOA_06	Test Designed date: 13.12.2022
Test Priority (Low, Medium, High): Low	Test Executed by: ISMAIL HOSSAIN PRANTO
Module Name: Donor list showing	Test Execution date:13.12.2022
Test Title: verify enter the website.	
Description: Test website page	
Precondition (If any): N/A	

Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the website 2. Enter donor list	Donor list should be in database.	Donor should see the list of agency	As expected,	Pass

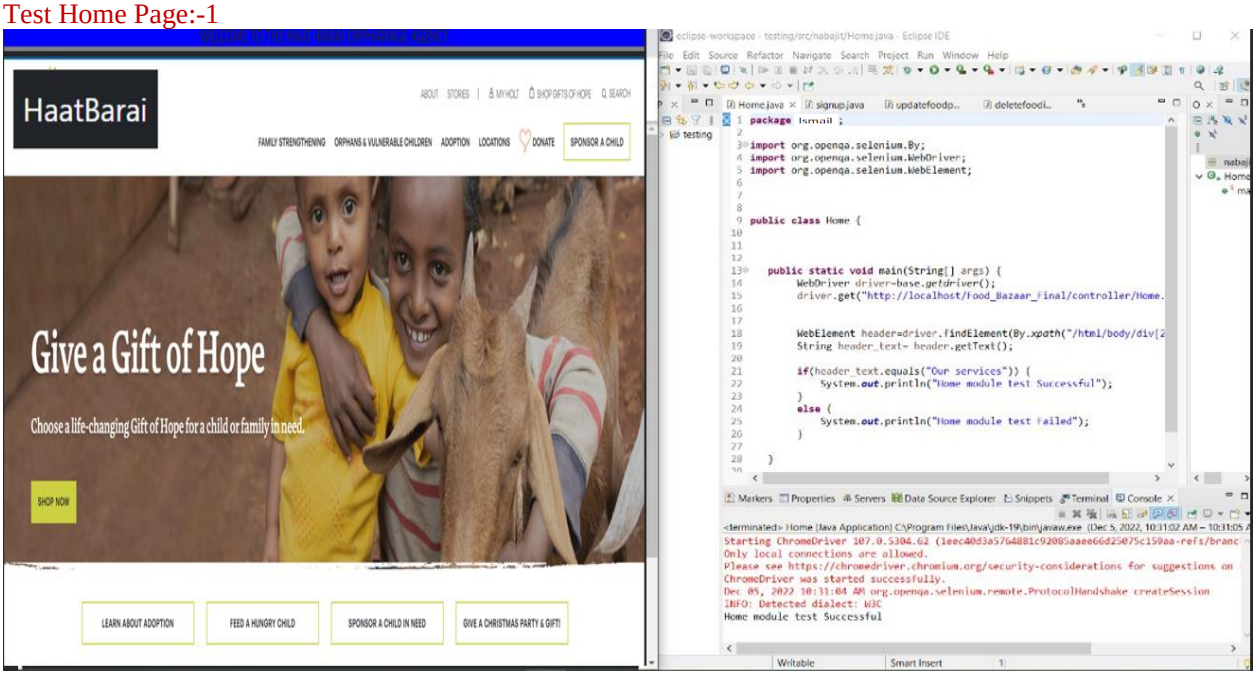
Post Condition: The donor list shown syccesfully

Test Case 7:

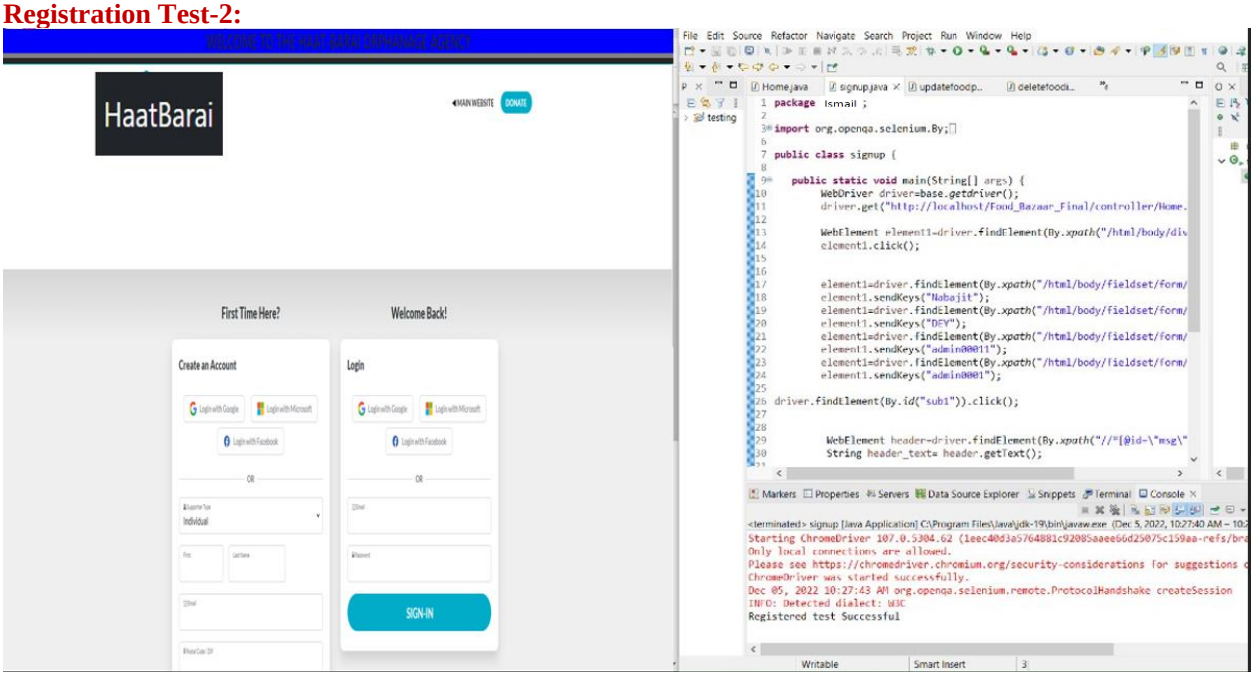
Project Name: HAAT-BARAI Orphanage Agency			Test Designed by:ISMAIL HOSSAIN PRANTO	
Test Case ID: HBOA_07			Test Designed date: 13.12.2022	
Test Priority (Low, Medium, High): High			Test Executed by: ISMAIL HOSSAIN PRANTO	
Module Name: Create volunteer account			Test Execution date:11.12.2022	
Test Title: Creating the new profile for the new volunteer				
Description: Admin should be login into the admin portion				
Precondition (If any): Admin must be logged in into login page.				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the website 2. Enter username 3. Enter password 4. Click submit 5. Then it is ready to login into the admin panel	Username: ismail123 Password: 321@#	Successfully logged in into the admin panel.	As expected,	Pass
Post Condition: Admin must have to be registered to the account. The account session details are stored in the database.				

7.1 Testing by selenium:

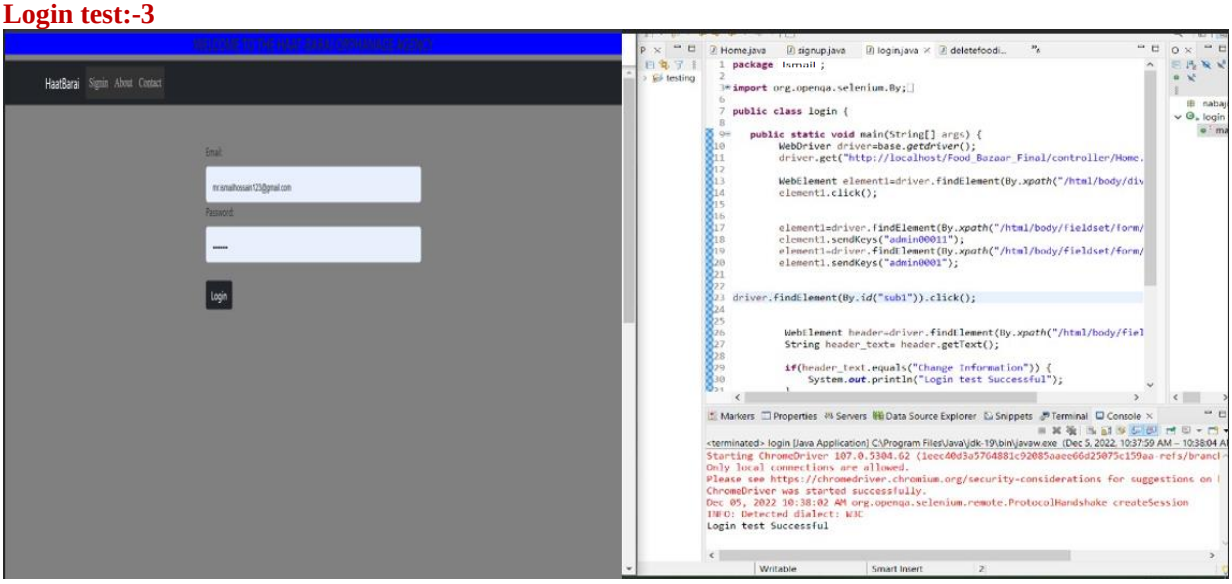
Test Home Page:-1



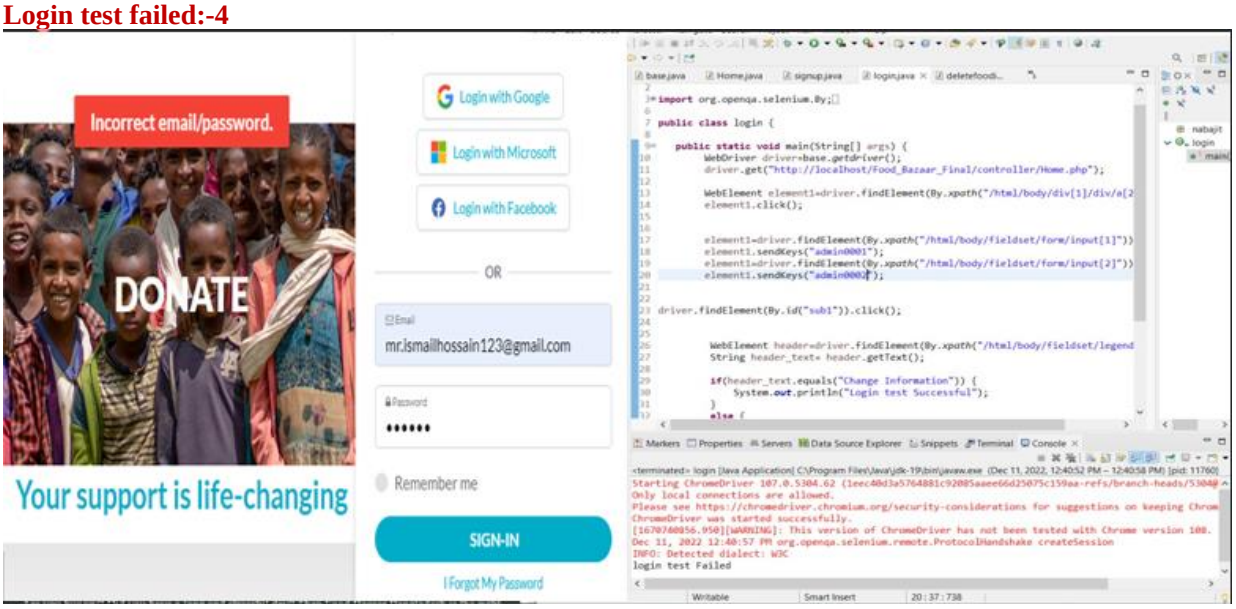
Registration Test-2:



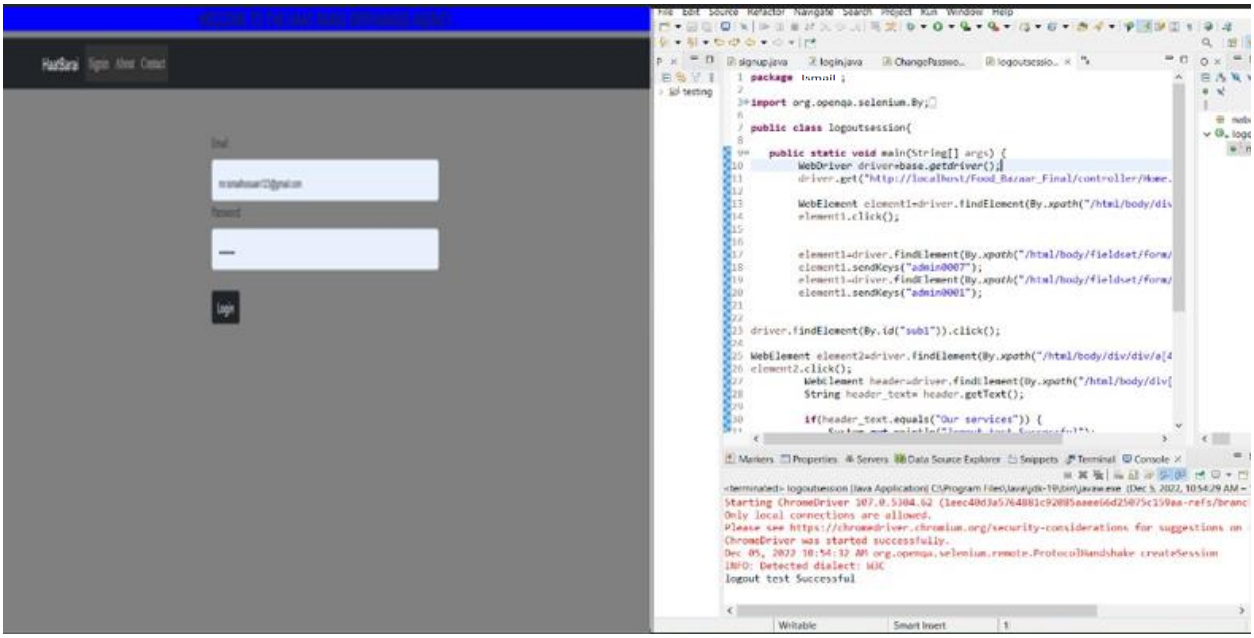
Login test:-3



Login test failed:-4

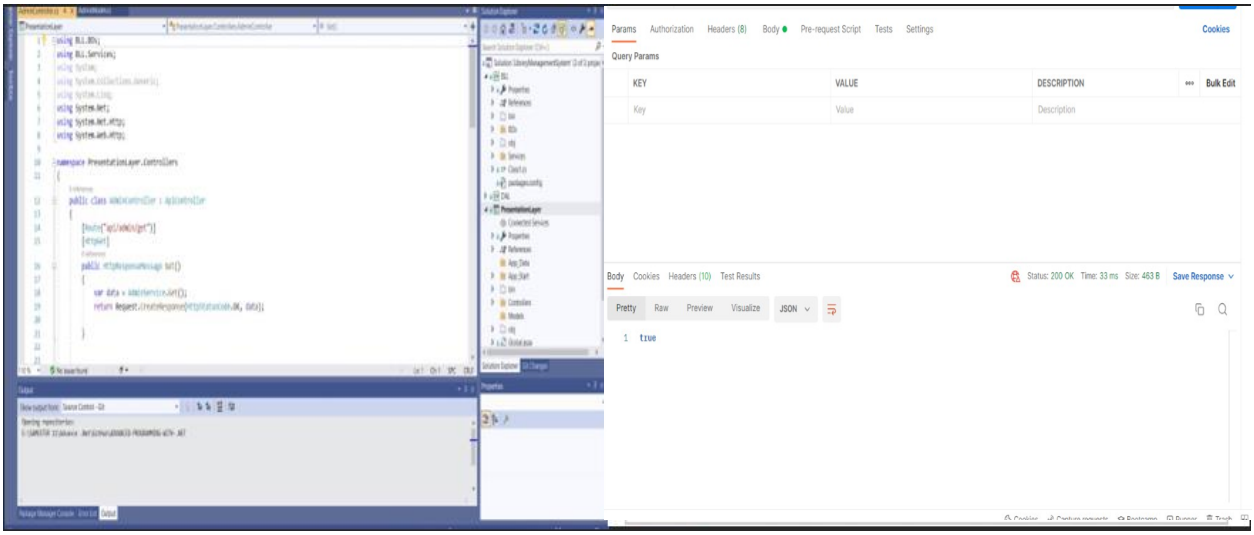


Logout seccessful test:5

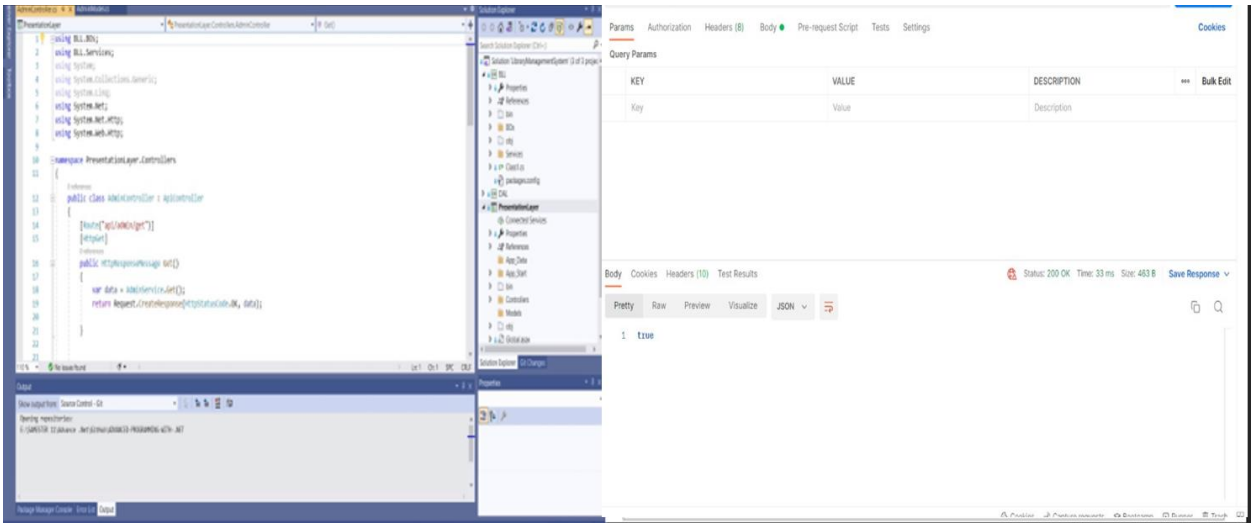


POSTMAN TESTING:

Testing:06



Test delete 7:



8. ITEM PASS/FAIL CRITERIA

Each test phase should be described in test procedures. They must specify the requirement (or portion of a requirement) that is being verified, the action, event, or condition that must take place in order to carry out or finish the test step, and the anticipated result or reaction to that action. The pass/fail standard for that step is the anticipated outcome (or response). The test step can be said to have succeeded and the test step's requirement is confirmed if it was carried out, the anticipated result occurred, and it could be verified through observation or recording. The test step must be deemed to have failed and the requirement must not have been verified if it could not be performed or could be performed but the expected result did not occur, could not be witnessed, or could not be verified from the record. Any result that differs from what was anticipated should be regarded as an anomaly or error.

9. TEST DELIVERABLES

- Test strategy.
- Acceptance test plan
- System / Integration test plan
- Unit test plans/ turnover documentation
- Test plan and estimation.
- Test scenario.
- Test cases and test data.
- RTM.
- Test summary report.
- Test closure report.
- Incident report.

10. STAFFING AND TRAINING NEEDS

It is preferred that there will be at least one (1) full time tester assigned to the project for the system/integration and acceptance testing phases of the project. This will require assignment of a person part time at the beginning of the project to participate in reviews etc... and approximately four months into the project they would be assigned full time. If a separate test person is not available the project manager/test manager will assume this role. In order to provide complete and proper testing the following areas need to be addressed in terms of training.

- The developers and tester(s) will need to be trained on the basic operations of the EDI interface. Prior to final acceptance of the project the operations staff will also require complete training on the EDI communications process.
- The sales administration staff will require training on the new screens and reports.
- Developers and testers need to be taught the fundamentals of our project interface. Operationsstaff must also receive full training in this project communication procedure prior to the project's official approval.
- The monitoring and control systems are essential to achieve project objectives. If project- related discussions have taken place, a monitoring system will be helpful. The project's developer will keepan eye on its progress and make any adjustments that are required.
- System/integration and acceptability testing phases for our project call for at least one full- time tester. The project will be under the full-time tester's control for four months after it starts. The test managerwill take on this role if there isn't a tester available. If we want to ensure a complete and accurate assessment, we must address a number of training-related problems.
- The monitoring and control systems are essential to achieve project objectives. If project- related discussions have taken place, a monitoring system will be helpful. The project's developer will keepan eye on its progress and make any adjustments that are required.
-

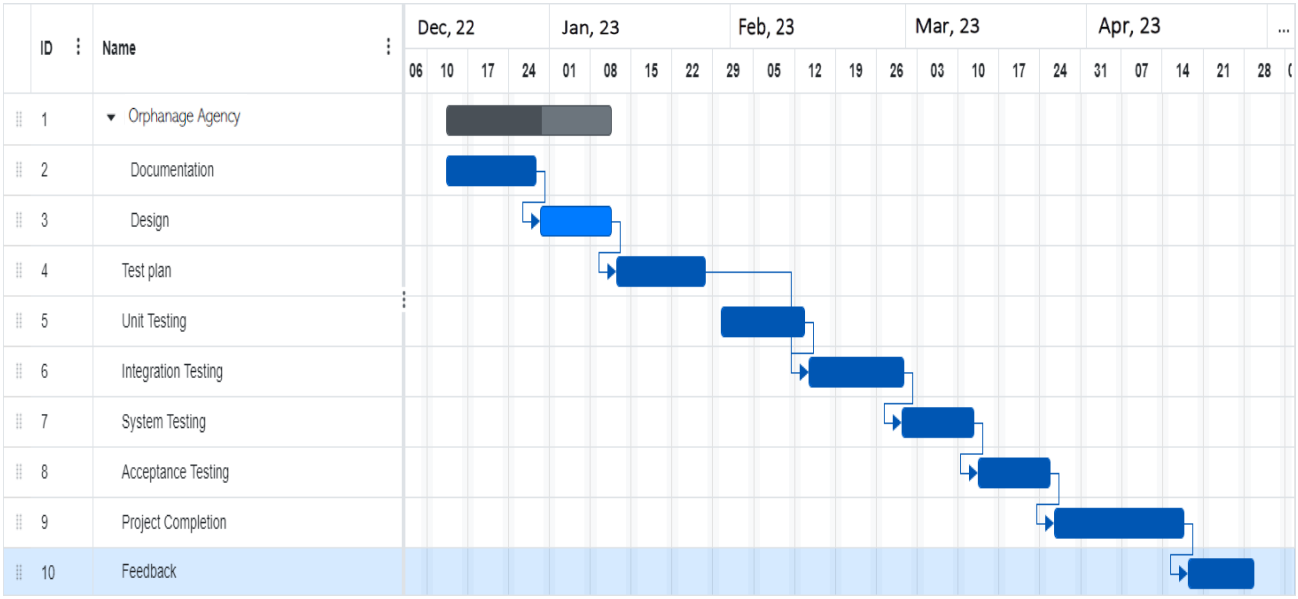
11. RESPONSIBILITIES

ROLE	NAME	RESPONSIBILITY
TEST ENGINEER	ISMAIL HOSSAIN PRANTO	Test Plan Verification, Preparing The Test Cases, Unit Test Documentation & Execution , Acceptance Test Documentation & Execution , Validating Project changes, Regression Test and Control Changing, Design Documents, Test Documentation & Execution of Test Cases

12. TESTING SCHEDULE

Time has been allocated within the project plan for the following testing activities. The specific dates and times for each activity are defined in the project plan timeline.

Serial No.	Task	Duration	Start Date	Finish Date
1	Documentation	12 Days	12-12-2022	24-04-2022
2	Design	9 Days	24-12-2022	02-05-2022
3	Test Plan	12 Days	02-01-2023	14-05-2023
4	Unit Testing	11 Days	14-01-2023	25-05-2023
5	Integration Testing	13 Days	25-01-2023	07-06-2023
6	System Testing	9 Days	08-02-2023	17-06-2023
7	Acceptance Testing	9 Days	17-02-2023	26-06-2023
8	Project Completion	17 Days	26-02-2023	12-07-2023
9	Feedback	8 Days	13-03-2023	22-07-2023



13. PLANNING RISKS AND CONTINGENCIES

- Volunteer has two position. The Reassigned volunteer administration staff currently has two positions unfilled. As a result of this volunteer shortage there may be delays in getting staff to review appropriate documents and to participate in the Acceptance test process. Should donor staff become a problem, the appropriate dates for reviews and acceptance testing will slip accordingly. No attempt will be made to bypass any part of the review and testing processes.

14. APROVALS

Project Sponsor	HAAT-BARAI Orphanage Agency
Development Management	ISMAIL HOSSAIN PRANTO
EDI Project Manager	ISMAIL HOSSAIN PRANTO
RS Test Manager	ISMAIL HOSSAIN PRANTO
RS Development Team Manager	ISMAIL HOSSAIN PRANTO
Reassigned Sales	ISMAIL HOSSAIN PRANTO
Order Entry EDI Team Manager	ISMAIL HOSSAIN PRANTO