



American International University-Bangladesh (AIUB)

Department of Computer Science

Faculty of Science & Technology (FST)

Spring 21-22

Section: C

Software Quality Assurance and Testing

Tour Guider System

A Report submitted

By

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Software Test Plan

for

<Tour Guider System>

Version 1.1 approved

Prepared by <Farhan Masud, Md. Farhad Hossan, Roman Khan>

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<26-04-2022>

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Revision History

Revision	Date	Updated by	Update Comments
0.1	2022.4.12	Farhan Masud	Background + Solution + Quality Attributes
0.2	2022.4.14	Md. Farhad Hossan	System Interface + System Features
0.3	2022.4.14	Roman Khan	Testing Approach
0.4	2022.4.15	Farhan Masud	Selenium Testing + Test Case
0.5	2022.4.17	Md. Farhad Hossan	Project Criteria + Approvals

0.6	2022.4.17	Roman Khan	Test Case
0.7	2022.4.19	Md. Farhad Hossan	Test Case + Second Draft Complete
0.8	2022.4.22	Farhan Masud	Gantt Chart + Final Draft complete

1. TEST PLAN IDENTIFIER:[TP-TGS 1.0](#)

2. INTRODUCTION

Background to the Problem

- Travelling has now become the trend as a medium of entertainment in Bangladesh. There are different kind of destinations with different kinds of flavor. But tourists face various problems during travelling. Sometimes, they are unable to decide the best route and get confused to select the desired hotel for staying. Travelers find it difficult to recognize the nearest bus stations or airports and fuel stations. Also, there is always an issue of budget estimation. Even in many occasion tourists do not have ideas about touring spots and they fail to decide which one is better. In some cases, tourists are not aware of weather forecast of the place they are going. Due to bad weather, they fall in danger instead of enjoying the tour. Moreover, there are more risk involves. Another problem needed to be mentioned here that some travelers get it tough to find a group for travelling. In the age of social media people try to gather and record their activities as well as promoting them of their adventure. But in many scenarios, they lack of a common platform to do those things.
- Travelling takes a lot of effort. Improper guideline and lack of information before travelling or during travelling are the root causes behind those problems. Dispersed planning is another cause why those problem occurs. Because of, not following proper instructions can causes problems that are already mentioned.

Solution to the Problem

- We want to develop a software named “Tour Guider System”, which will solve the aforementioned problems. The software will help tourists to choose the best possible route for their destination. The software will help travelers to select their desired hotel in that particular area. Tourists can use this software to find the nearest bus stations or airports and fuel stations. After selecting a touring spot, the software will help the tourists by providing an estimated budget for the tour according to the situations and conditions. There will be the weather forecast of upcoming weeks in the software for each and every destination. So that, tourists can skip travelling in bad weather. The software will provide chat opportunity for discussion among the people. People can make groups and invite others for touring. Tourists will have the luxury of writing vlogs about their experience as well as posting about their thoughts by using the software.

So, the others can take ideas and information about a place. Tourists will have the chance to open events and create contests by using the software. Usually, tourists face those type of problems. The software will provide the solutions for all of them. That is why this solution is particularly appropriate to solve those problems. Of course, the solution is feasible to meet the business objective. Recently, a lot of business scopes are growing up around touring system in Bangladesh. So, the software will definitely have the opportunity to be in the business and make money through it.

- The purpose of the software will be reduced the cost of tourists, save time, offering safety, providing flexible communication environment. The software will be like a tour guide to the users. The objective of the software will be making a journey smooth and hassle free for the tourists. The ultimate goal of the software will be providing a cost saving as well as a time saving tool to the tourists.
- There is an existing software named “Roadtrippers”. It provides solutions for choosing popular destinations, guiding towards restaurants and fuel station as well as shopping center only. But these solutions are far behind to solve all the problems mentioned above. This software will not full-fulfill the purpose of the software that we are going to develop which will provide all the solutions for aforementioned problems.

3. REQUIREMENT SPECIFICATION

3.1 System Features

1. Choosing the Best Route

Functional Requirements

- 1.1 The software will provide the best possible route for journey according to the selected destination of the users.
- 1.2 If users select their destination the software will provide the best possible route with the assist of an API called Google Map.

Priority Level: High

Precondition: User need to provide the destination.

Cross-references:

2. Finding Ideal Hotel

Functional Requirements

- 2.1 The software will allow the users to find ideal hotel in their selected destination. Google Map, API will be used to perform this operation.
- 2.2 If users select a destination then they will need to go to the Ideal Hotel option.
- 2.3 If the user selects Ideal Hotel option a window will appear and show the information from database records and location from the Google Map of those hotels which will be available in selected destination.

Priority Level: Medium

Precondition: User need to provide destination.

Cross-references:

3. Nearest Transportation

Functional Requirements

- 3.1** The software will allow the user to find the nearest Bus stations, Airports, Railways from the current location of the user.
- 3.2** User have to turn on the GPS and then select Nearest Transportations.
- 3.3** Then with the help of Google Map, API the locations of nearest Bus Stations, Airports, Railways will be displayed on the screen.

Priority Level: High

Precondition: User must turn-on the GPS in the using device.

Cross-references:

4. Weather Update

Functional Requirements

- 4.1** The software will provide weather update to the user according to the destination and particular time by using an API named Global Weather.
- 4.2** User need to go in Weather Update then select the destination. Particular time session can be given otherwise this feature will show the up-to date weather information.
- 4.3** After providing destination and time to the software this feature will give the weather news of that particular area in a particular time period.

Priority Level: High

Precondition: User must provide the area.

Cross-references:

5. Create Event

Functional Requirements

- 5.1** The software will allow the user to create event and give a name of the event.
- 5.2** User will need to enter Create Event. The user will need to provide a name for the event.
- 5.3** By performing the tasks of aforementioned options event will be created.
- 5.4** Event creator will be able to handle the privacy of that event by selecting Event Privacy. User can make the event closed or public from there.
- 5.5** User will be able to set the time frame for the event from the option Set Event Time.
- 5.6** User will be able to approve or cancel the join request of that event as there will be a Join Request window available with option Confirm and Cancel. Join Request option will be found in under the Event Name.
- 5.7** There will be an Event Member List where all of the joined members will be found.

- 5.8** All of the information of the event such as event time, event name, members who will join the event will be stored in the database.
- 5.9** User can delete an existing event by going on Event History. Then find the event name. After that, click Delete.

Priority Level: High

Precondition: Null

Cross-references: 6.1, 6.2

6. Make Your Groups

Functional Requirements

- 6.1** The software will allow the user to make groups among the joined event members.
- 6.2** User can find other from the Event Member List of Create Event. From there user can make groups among them.
- 6.3** When user will be making a group with others, a notification will be sent to those whom the user wanted to be joined in the group.
- 6.4** Only if those members accept the request then they will be added in the group. The record will be stored in the database.
- 6.5** User can control the admin panel by go to Settings of the particular feature.
- 6.6** Admin will be able give permission to join or remove anyone from the group.
- 6.7** Members of the group will be able share their thought by using another feature Chatting.

Priority Level: High

Precondition: Member need to be joined in the particular event.

Cross-references: 5.7, 5.8, 7.1, 7.2

7. Chatting

Functional Requirements

- 7.1** The software will allow the user to chat with other members of the group in personal or in the group by selecting Chatting.
- 7.2** From there the user can find others who are already added in the group. From database this feature will provide the members who are in the group.
- 7.3** User will be able text others, give voice message, send reply of a particular message, share links, send photos, short videos of length not exceeding the size 25MB. For performing those tasks all of the icons of those sub-features will be on the top of the chat bar.
- 7.4** Besides those the user will be able to mute someone, mute groups, leave groups, creates poll, send emoji, give reply to a particular message with an emoji. These tasks will be performed by selecting those particular sub features and those features will be available in that window.
- 7.5** The user will be able make audio calls and video calls with in personal or in a group. To perform this task user will need to find the member or members and then from Phone Call icons from top of the chat bar can make calls.

7.6 User will be able to Delete a conversation. To perform this task user will need to select the member, whom with the user chatted. Then from there the user will find a sub-window. From there the user can find that option to delete the conversation.

Priority Level: High

Precondition: Members need to be present in the group.

Cross-references: 6.4

8. Writing Vlogs

Functional Requirements

- 8.1** The software will allow the user to write vlogs in particular topics. By entering Writing Vlogs, the user will get a window form where the user can choose a template for writing vlogs.
- 8.2** After choosing the template the user will be able start writing vlogs right way.
- 8.3** The user can make the vlog public form the privacy settings of this particular feature.
- 8.4** If any vlog is posted by the user other users will be able make comments in the comment section of that vlog.
- 8.5** Other users will be able to give rating for that vlog from the option Rate this Vlogs.
- 8.6** The user will be notified if any other users make comment or give rating in the vlogs.
- 8.7** There will be an option of Share so that, the vlog can be shared in other mediums.

Priority Level: High

Precondition: Null

Cross-references: Null

9. Gallery

Functional Requirements

- 9.1** The software will allow the user to use gallery facility to store photos, videos and files.
- 9.2** There will be an option Your Memories under the Gallery section.
- 9.3** If the user wants to upload something then, there will be options from where the user wants to upload the files. User will need to select the files from his desired location.
- 9.4** User will be able make folders in the gallery. User can name those folders. To performs these tasks user can go to Gallery, under the gallery user will find Create Folders. User can provide the folder names from there.
- 9.5** After selecting files and the folders there will be an option Upload in the bottom of the window. If the user clicks it the files will be uploaded.
- 9.6** The user will always be able to delete or add new files in the gallery as all the record and information will be stored in the database.

Priority Level: High

Precondition: Null

Cross-references: Null

10. Log Out

Functional Requirements

- 10.1** The software will allow the user to exit the system by using Logout feature.
- 10.2** The user will find Logout on top of every window, after once logged in.
- 10.3** By clicking Logout the user will find another window.
- 10.4** That window will come with two options Exit and Cancel with a message.
- 10.5** If the user click cancel, the user will be still logged in.
- 10.6** If the user click exit, the user will be able to exit the system.

Priority Level: High

Precondition: User must be logged in, in the system.

Cross-references: This feature is connected with Log in feature.

3.2 System Quality Attributes

Availability: The software will be available for 24/7. As the software will be using through internet, it will be very easy to perform any operations with the software from anywhere at any time, if not any inconvenient issue occurs.

Priority Level: High

Performance: Every web page of the software will be downloaded in 10 seconds or less over a 60 Kbps modem connection. So that, the user can get a smooth performance while using the software.

Priority Level: High

Integrity: The user will have the privilege of authentication if the user wants. Also, the software will ask for authentication if the user changes device. The personal information of one user will be protected because there will be access restrictions of others.

Priority Level: High

Robustness: The software will automatically exit the system or Logout, if the user has no involvement with the software in 10 minutes, because of avoiding being hacked. The software will save data in every 10 seconds while the user will do any operations. So that, if the user got any inconvenient issue, the user can just start the same operations from where it left.

Priority Level: High

Usability: A trained user shall be able to submit a complete request for creating an event, deleting, confirming member in 2 minutes.

Priority Level: High

Efficiency: At least 30 percent of the processor capacity and RAM available to the application shall be unused at the planned peak load conditions. So that, the user can get instant responses from the software, if the number of users is high.

Priority Level: Medium

Reliability: The software will not fail no more than five experimental runs out of 1000.

Priority Level: Medium

Maintainability: A user can easily modify any information, if it is given wrong. But for modification, the user must go through security phases.

Priority Level: Medium

3.3 System Interface

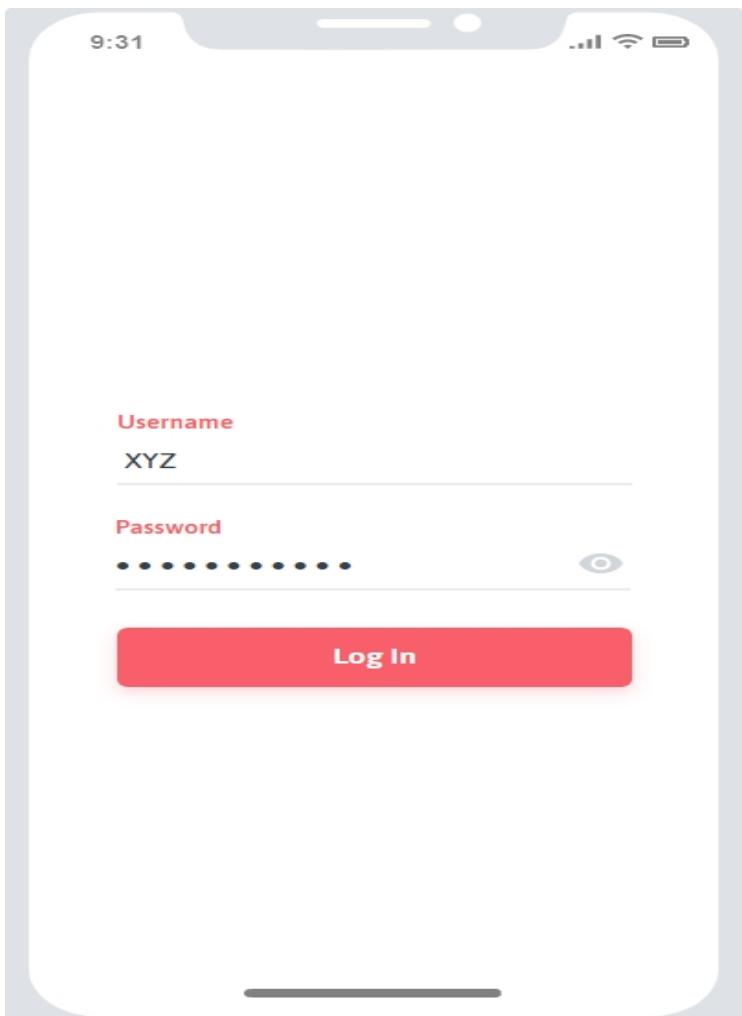


Figure 01: Login Page

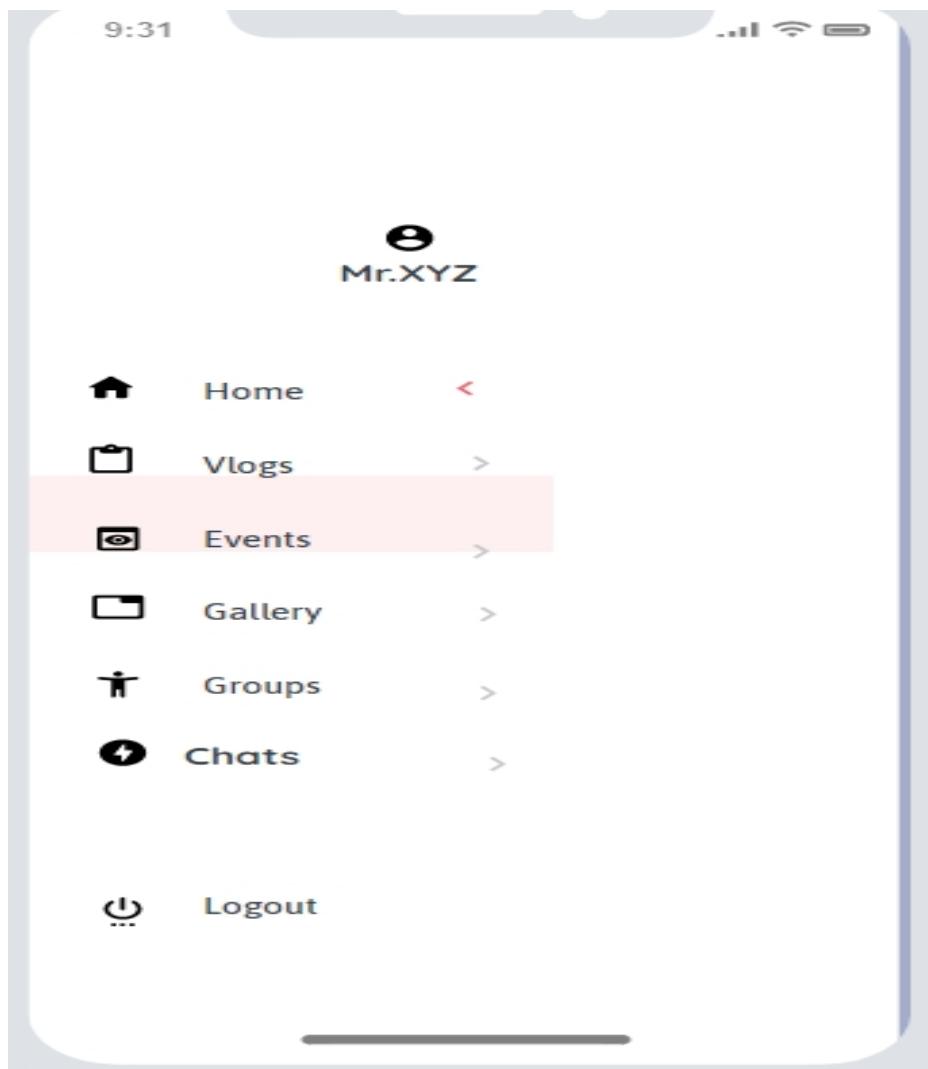


Figure 02: Dashboard

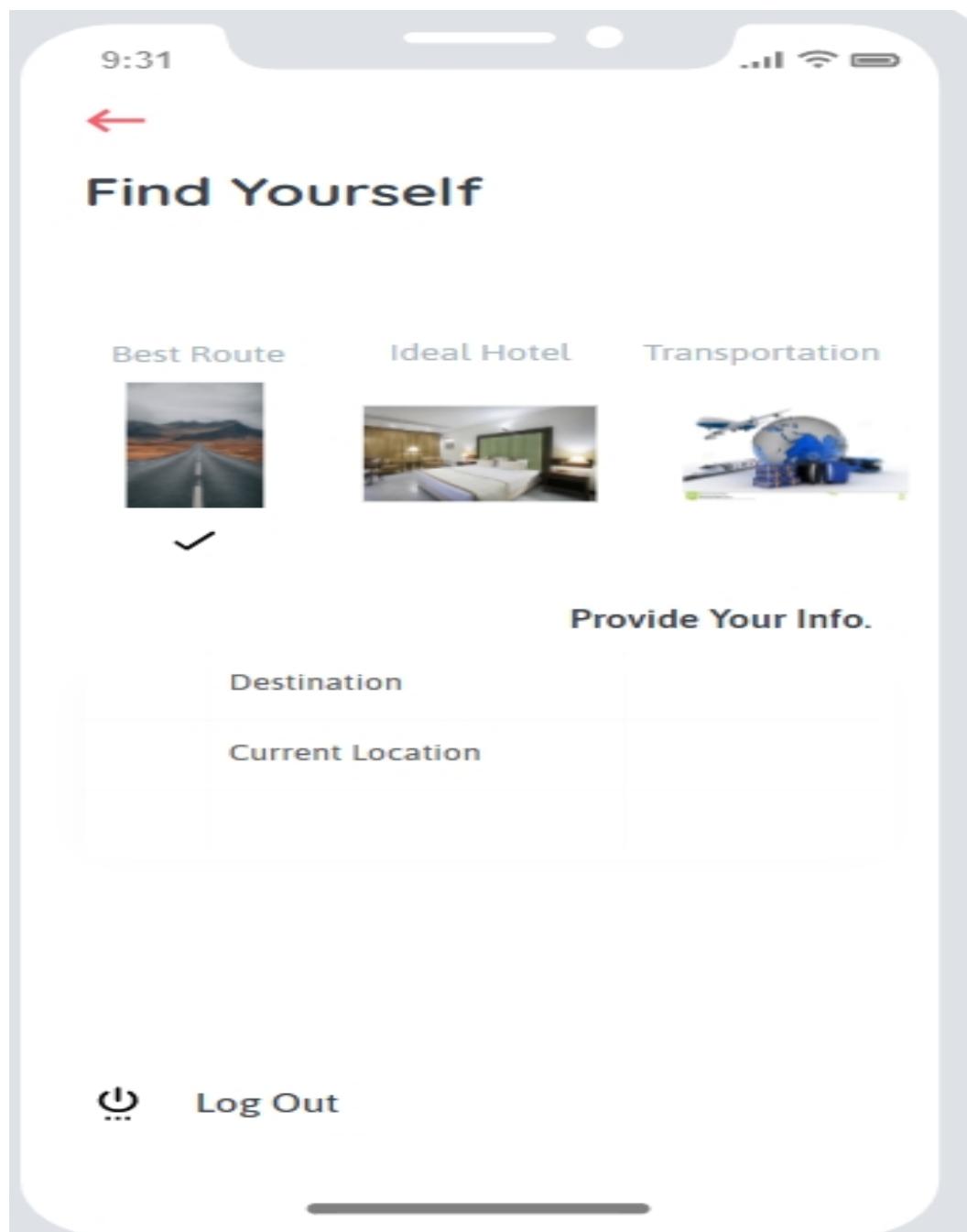
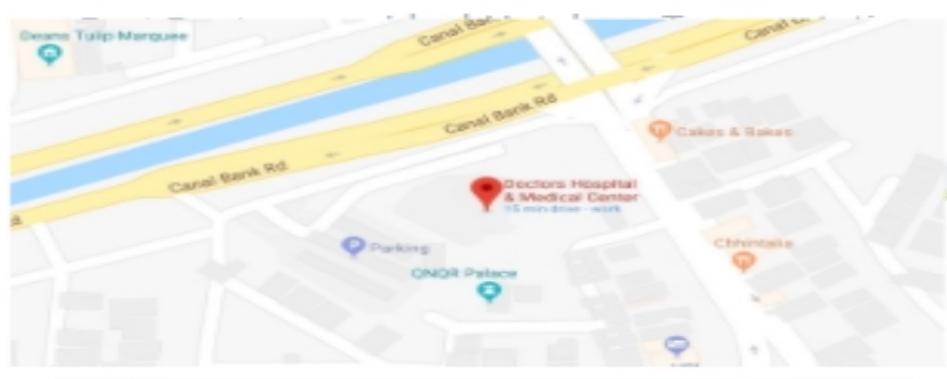


Figure 03: Route, Transportaion, Hotel choosing Page



Your Result



Log Out

Figure 04: Location Page



Write Your Vlogs

Start Writing



Make It Public

Share With Others



Log Out

Figure 05: Vlogging Page



Your Gallery

Your Memories



Upload New Items

Delete



Log Out

Figure 06: Gallery Page

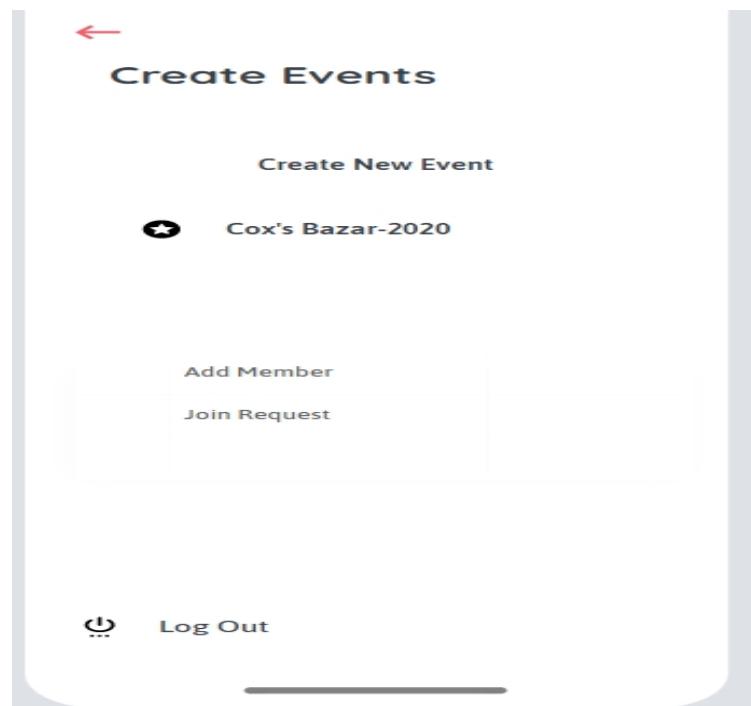


Figure 07: Event Page

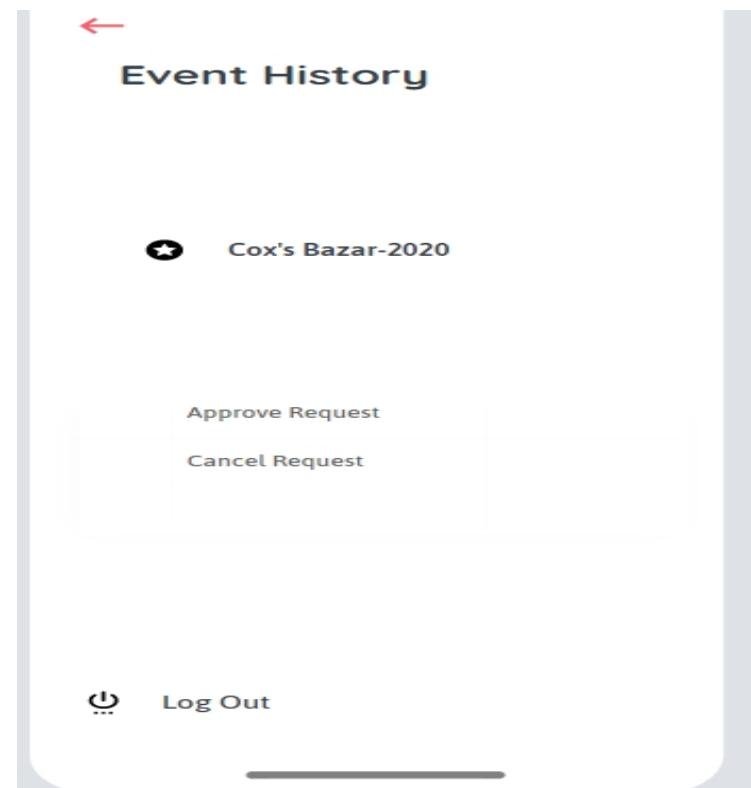


Figure 08: Event Page

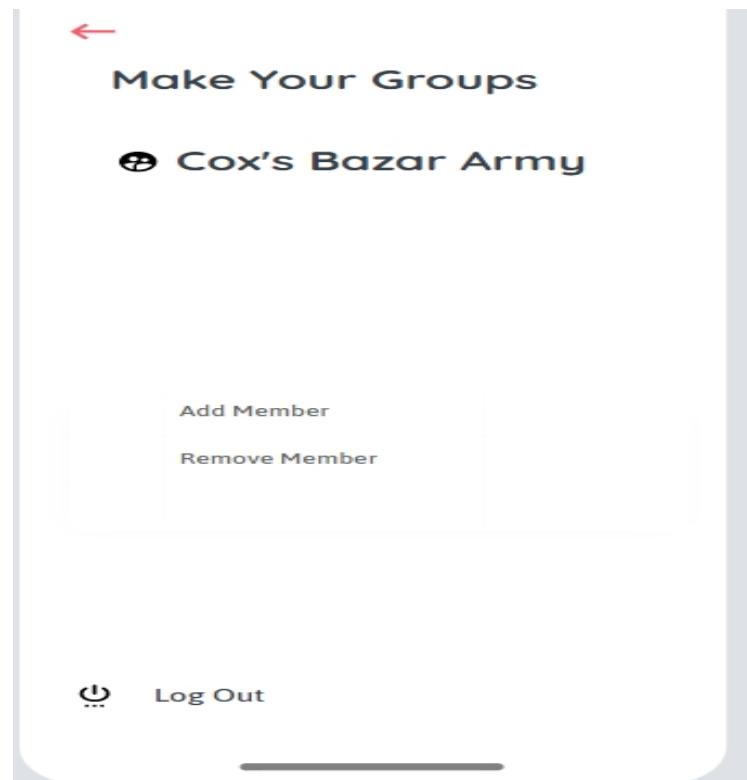


Figure 09: Group Making Page

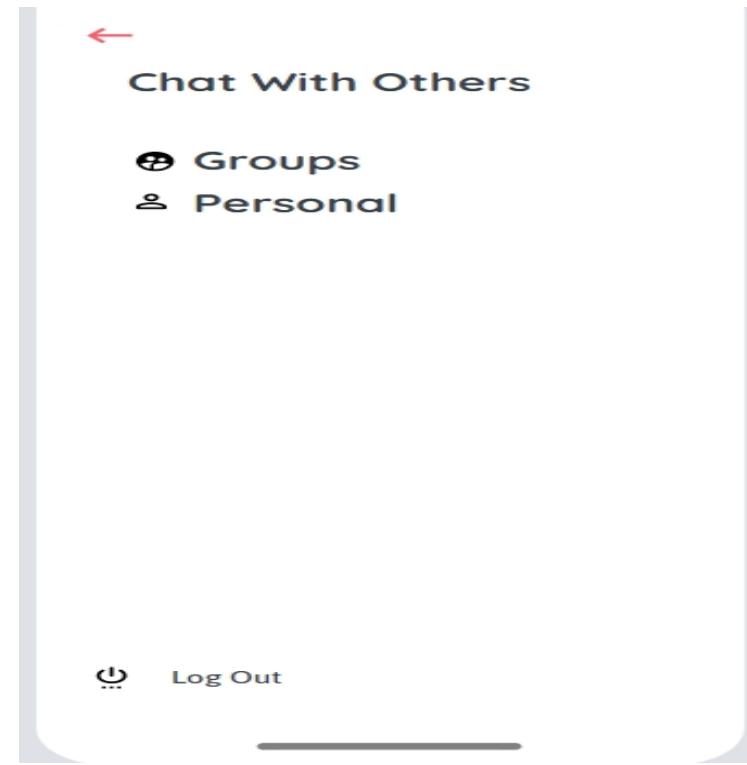
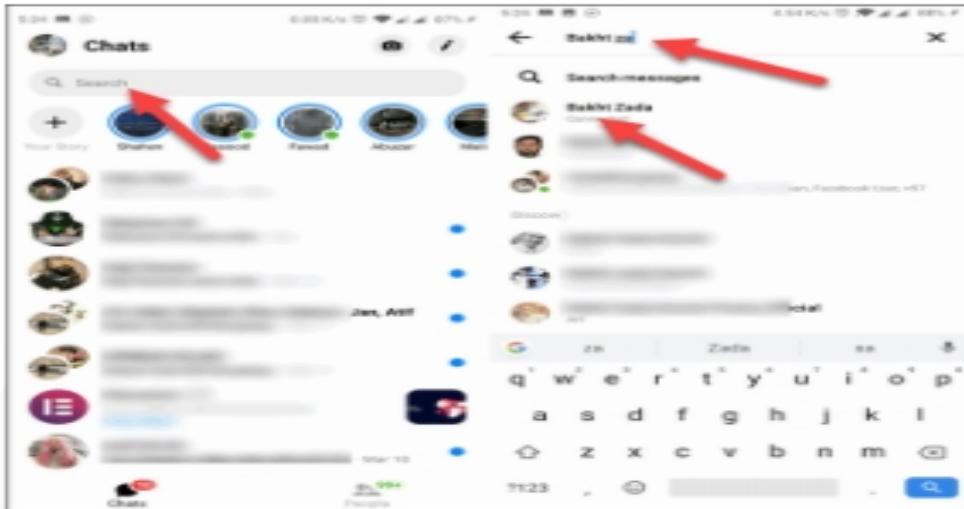


Figure 10: Chatting Page



Chats



Log Out

Figure 11: Chatting Page



Are You Sure To Exit?

Yes

Cancel

Figure 12: Logout Page

3.4 Project Requirements

- Below is a list of project limitations (such as time, budget, resources, and the environment) that should be followed in project management, along with calculations.

Item Name	Setup Cost	Development Cost	Monthly servers/services Cost
Google Android	-	160 hours * BDT 25 = BDT 4000	-
Apple iOS	-	160 hours * BDT 25 = BDT 4000	-
Map a list of location	32 hours * BDT 25 = BDT 800	120 hours * BDT 25 = BDT 3000	-
See or Book Calendar Events	-	120 hours * BDT 25 = BDT 3000	-
Weather	96 hours * BDT 25 = BDT 2400	64 hours * BDT 25 = BDT 1600	BDT 20
Chat and message Boards	-	64 hours * BDT 25 = BDT 1600	-
Social Media	-	75 hours * BDT 25 = BDT 1875	-
Image Gallery	-	200 hours * BDT 25 = BDT 5000	-
Fill and Submit Forms	16 hours * BDT 25 = BDT 400	16 hours * BDT 25 = BDT 400	-
Book Appointments and Reservations	-	64 hours * BDT 25 = BDT 1600	-
Customer Feedback	-	250 hours * BDT 25 = BDT 6250	-
Send Push Notifications	40 hours * BDT 25 = BDT 1000	480 hours * BDT 25 = BDT 12000	BDT 99
Email	160 hours * BDT 25 = BDT 4000	64 hours * BDT 25 = BDT 1600	BDT 100

User Profile	48 hours * BDT 25 = BDT 1200	80 hours * BDT 25 = BDT 2000	BDT 25
Camera (Image, Video)	8 hours * BDT 25 = BDT 200	40 hours * BDT 25 = BDT 1000	-
SDK	80 hours * BDT 25 = BDT 2000	480 hours * BDT 25 = BDT 12000	-
Publics API's	80 hours * BDT 25 = BDT 2000	480 hours * BDT 25 = BDT 12000	BDT 300
Growth Plan	-	-	-
Free	-	-	-
Android Dev on Staff	-	-	BDT 4333
iOS Dev on Staff	-	-	BDT 4333
Total	BDT 14,000	BDT 72,925	BDT 9,210

- Total Budget 1,80,000 BDT
- Total Cost = $(14,000 + 72,925 + 9,210) = 96,135$ BDT
- Expected Remaining Budget = $(1,80,000 - 96,135) = 83,865$ BDT
- Total Development Time 4 Months 25 Days (3477 hours)

4. FEATURES NOT TO BE TESTED

The following is a list of features that will either not be discussed at all or will be completely ignored.

- See or Book Calendar Events: This feature will be left out due to time constraints and the fact that it will not be tested. Since there is another function called Book Appointments and Reservations that serves a similar purpose on a general level but not on a specialized level like the item that is missing, As a result, removing this feature from the system will have negligible effect on the entire system.

5. TESTING APPROACH

5.1 Testing Levels

- The Tour Guider System project will be tested at three levels: unit, system/integration (combined), and acceptance. It is planned that at least one full-time independent test person will be assigned to system/integration testing. With the financial limitations and timeframe in place, the majority of testing will be done by the test manager with the help of the development teams.

- The developer will conduct UNIT testing, which will be approved by the development team leader. Before unit testing may be accepted and passed on to the tester, the programmer must give proof of unit testing (test case list, sample output, data printouts, defect information). The test person will receive all unit test information as well. Each module of the system will be tested separately during unit testing. As a result, each of the system's functionalities, such as Choosing Best Route, Login, Events, Make Your Groups, Create Event, and GPS, will be tested individually.
- SYSTEM/INTEGRATION The test manager and development team leader will conduct the testing, with assistance from individual developers as needed. This project does not have any specialized test tools. After all critical faults have been addressed, the programs will be put through a System/Integration test. A program may have up to two major flaws as long as they do not prevent the program from being tested. System testing is carried out on the entire App system. It enables for the verification of the system's compliance with the requirements. It examines the overall interaction of the various components. Load, performance, reliability, and security testing are all part of the process. Different modules will be connected in this step, and then the system will be tested as a complete. The entire system will be merged by following the same process and also be tested.
- ACCEPTANCE Actual end users will perform the testing, with the help of the test manager and development team leader. After the System/Integration test is completed, the acceptance test will run in parallel with the existing manual ZIP/FAX process for one month. From the client's perspective, acceptance testing is first performed in-house by the development team. If the development team is satisfied, the app is submitted to users for official acceptance testing. If the software fits the client's needs, they accept it with or without consenting to some future requirements to be implemented.

5.2 Test Tools

The test tool that was used in this project is Selenium IDE Chrome Extension. Selenium IDE was used for automation Testing.

Login Page testing: Selenium IDE records all the actions performed in the login page. All the inputs whether right or wrong were tested.

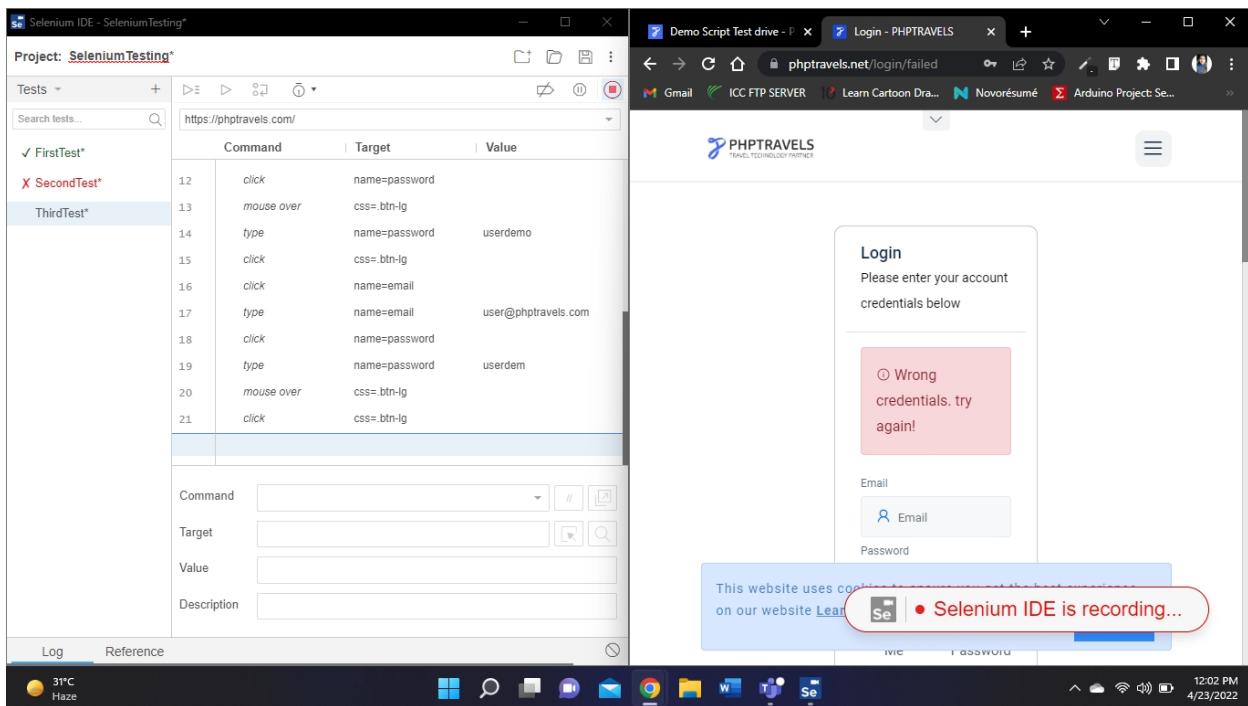


Figure 13: Login page testing

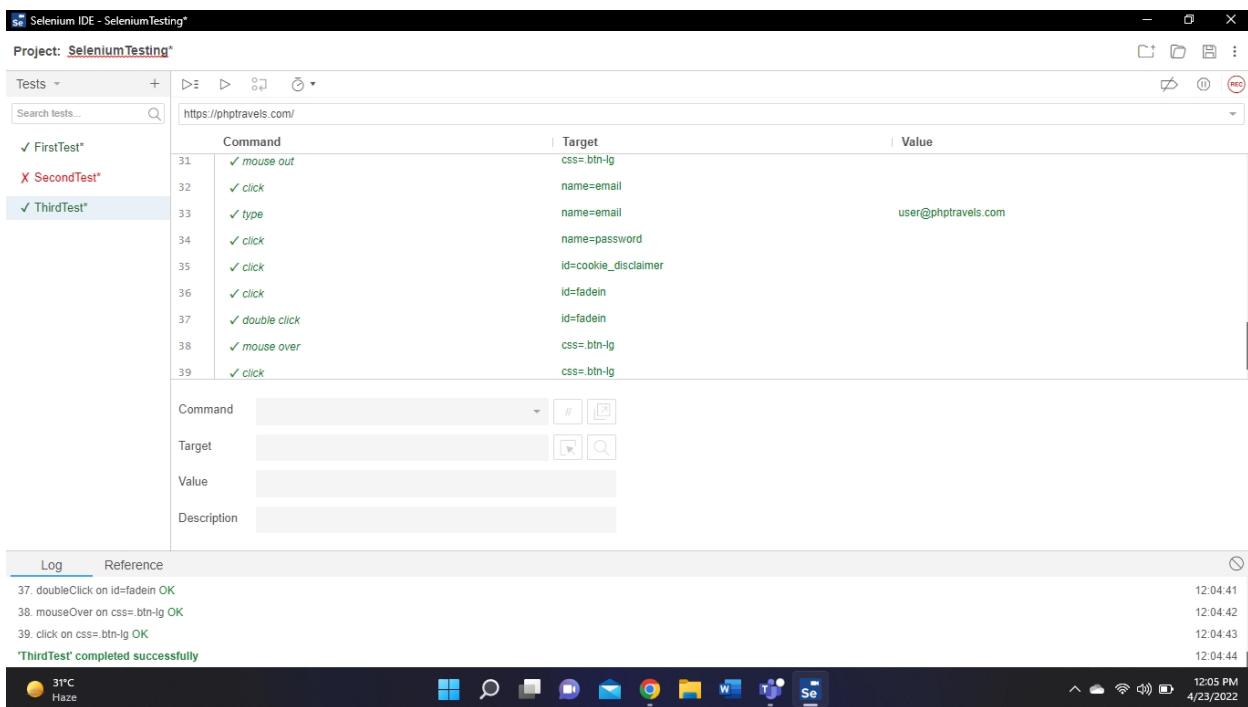


Figure 14: Login page test completed Successfully

Basic functionality testing: Selenium IDE records all the actions performed in the website.

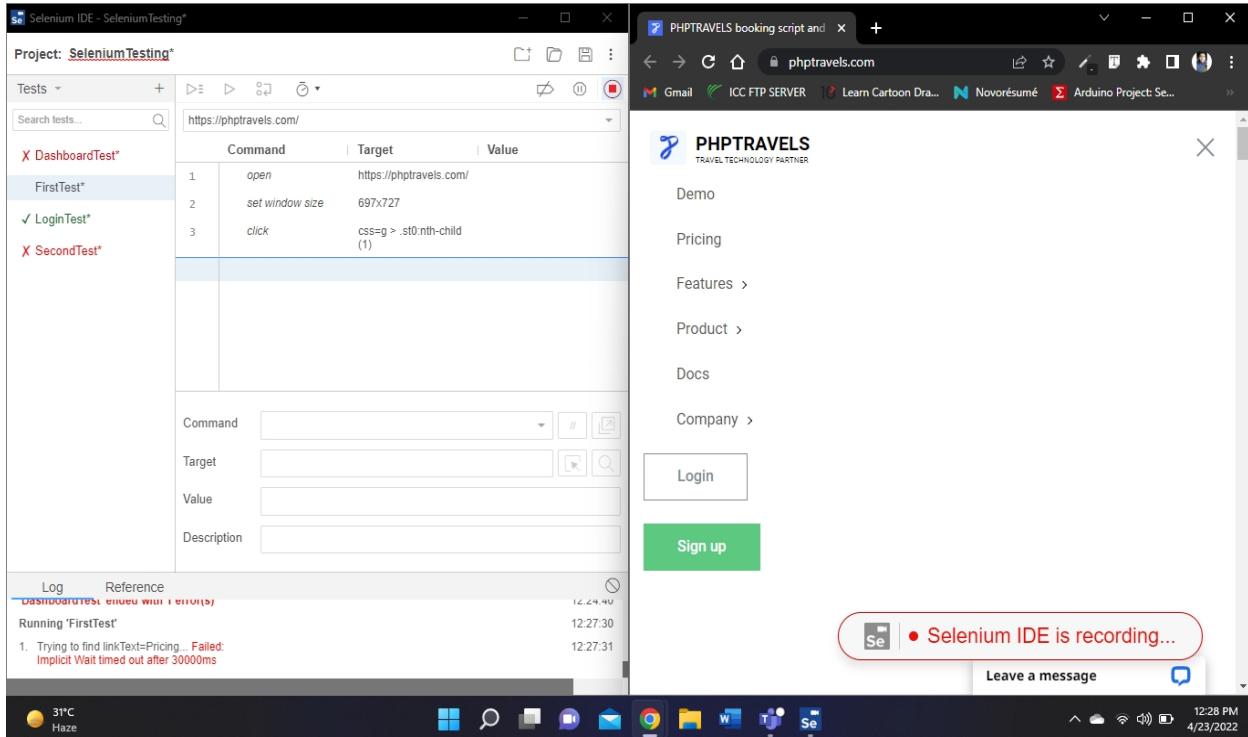


Figure 15: Functionality Testing of this webpage

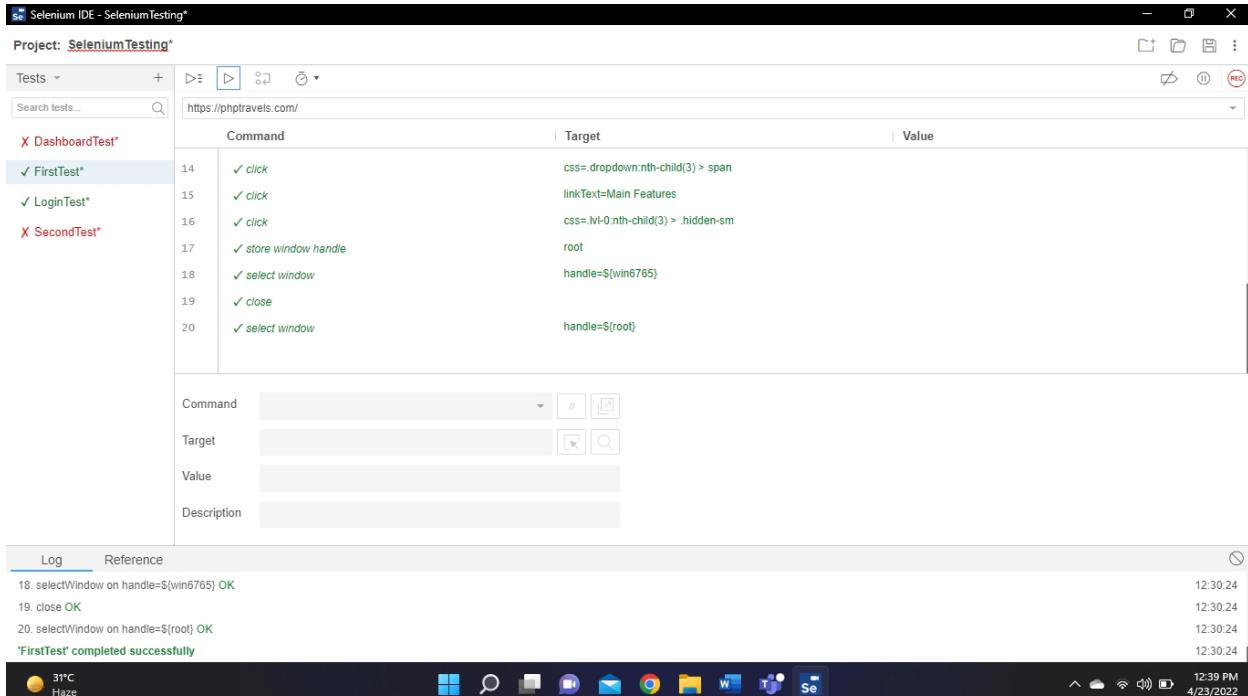


Figure 16: Functionality test completed successfully

Dashboard Testing: Selenium IDE records all the actions performed in the dashboard page.

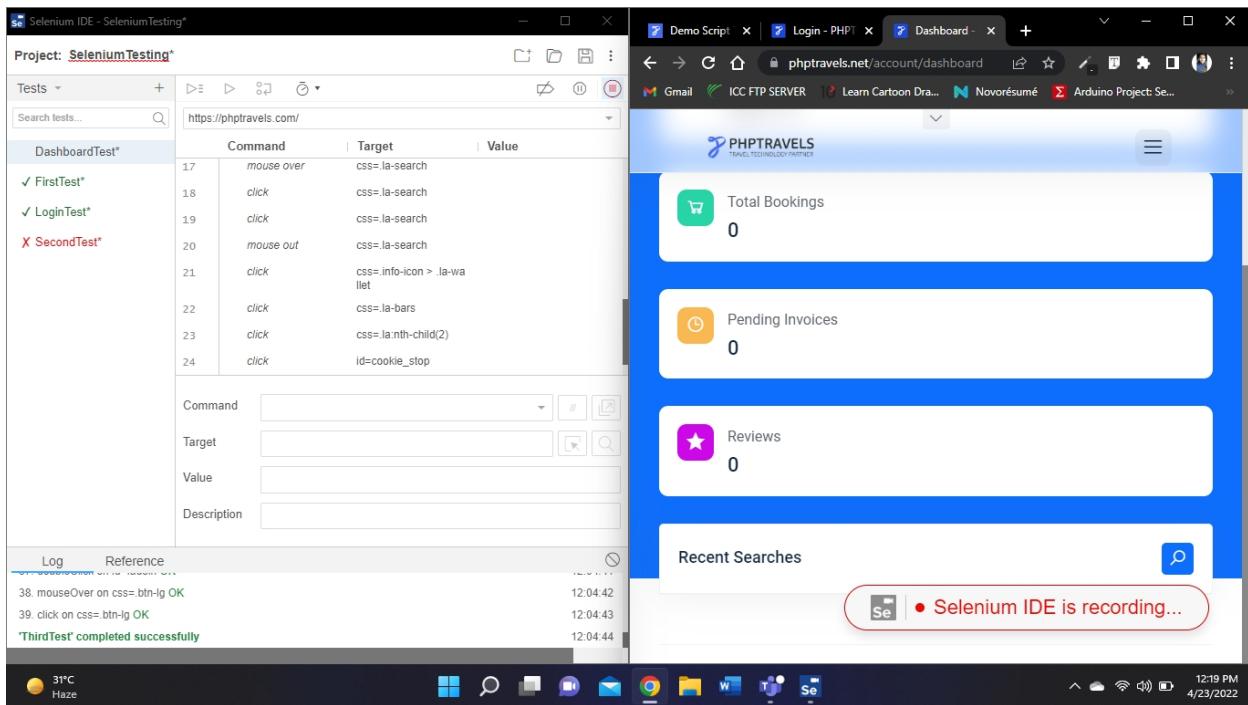


Figure 17: Dashboard page testing

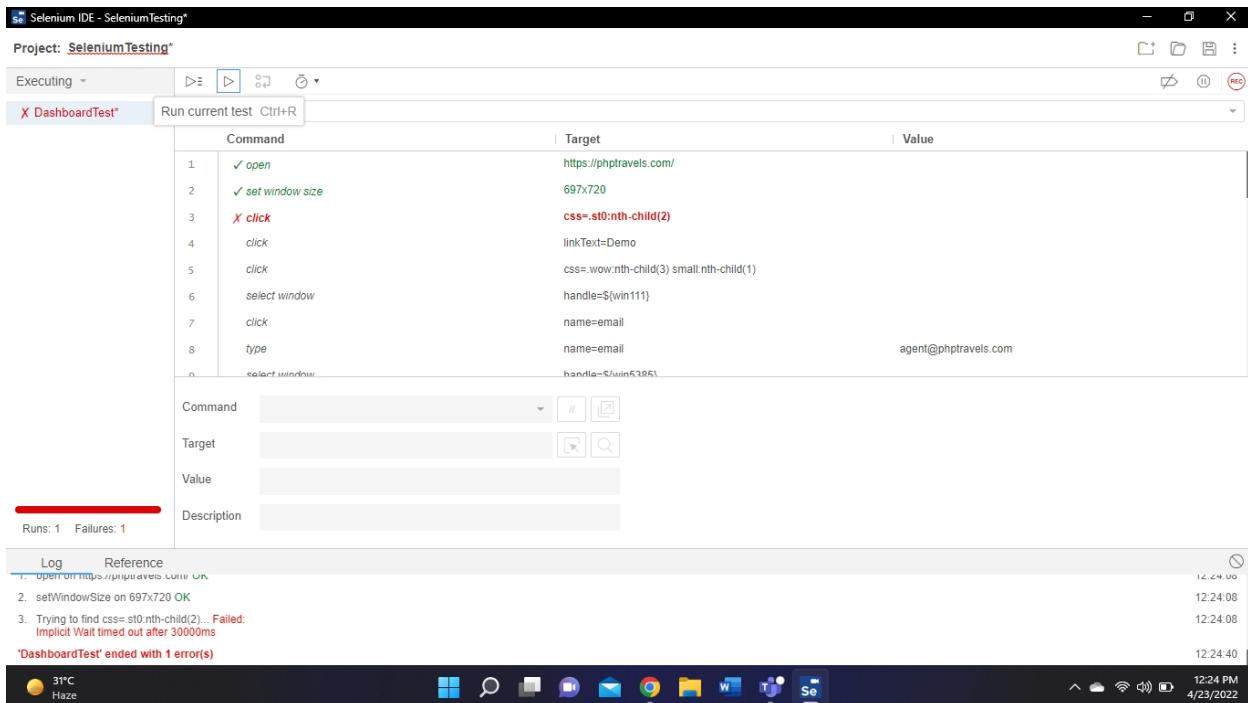


Figure 18: Dashboard testing ended with an error

5.3 Meetings

Once a week, the test team will convene to assess progress and identify mistake trends and concerns as soon as possible. Once every two weeks, the test team leader will meet with development and the project manager. These two meetings will take place on separate weeks. In the event of an emergency, more meetings can be called. Aside from that, during the beta and acceptance testing phases, a meeting with the client will be scheduled.

6. TEST CASES/TEST ITEMS

Number -1

Project Name: Tour Guider System	Test Designed by: Farhan							
Test Case ID: FR_1	Test Designed date: 12-4-22							
Test Priority (Low, Medium, High): High	Test Executed by: Farhad							
Module Name: Choosing the Best Route	Test Execution date: 13-4-22							
Test Title: By providing destination, finding the best route from Google Map								
Description: Test the best route finding from Google Map								
Precondition (If any): User must provide the destination								
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)				
1. Go to home 2. Enter Best route 3. Provide destination 4. Click the tik mark	The best route shown from Google Map	User should find the best route	As expected,	Pass				
Post Condition: User finds the best route for his destination from Google Map.								

Number -2

Project Name: Tour Guider System	Test Designed by: Farhan	
Test Case ID: FR_2	Test Designed date: 12-4-22	
Test Priority (Low, Medium, High): Medium	Test Executed by: Farhad	
Module Name: Finding Ideal Hotel	Test Execution date: 13-4-22	
Test Title: By providing destination, finding ideal hotel from Google Map		

Description: Test finding of ideal hotel in selected destination				
Precondition (If any): User need to provide the destination				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to home 2. Enter Ideal Hotel 3. Provide location 4. Click the tik mark	Ideal hotel location shown from Google Map in selected destination	User should find the ideal hotel location	As expected,	Pass
Post Condition: User finds the ideal hotel location in selected destination.				

Number -3

Project Name: Tour Guider System	Test Designed by: Farhan			
Test Case ID: FR_3	Test Designed date: 13-4-22			
Test Priority (Low, Medium, High): High	Test Executed by: Roman			
Module Name: Nearest Transportation	Test Execution date: 14-4-22			
Test Title: By providing current location, nearest transportation system will be shown from Google Map				
Description: Test the nearest transportation finding from Google Map				
Precondition (If any): User must turn on GPS in the device.				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to home 2. Enter Transportation 3. Provide destination 4. Click the tik mark	The nearest transportation shown from Google Map	User should find the nearest transportation	As expected,	Pass
Post Condition: User finds the nearest transportation from Google Map.				

Number -4

Project Name: Tour Guider System	Test Designed by: Farhad							
Test Case ID: FR_4	Test Designed date: 13-4-22							
Test Priority (Low, Medium, High): High	Test Executed by: Roman							
Module Name: Weather Update	Test Execution date: 14-4-22							
Test Title: By providing destination, get the weather update of that destination.								
Description: Test the weather finding from Global Weather								
Precondition (If any): User need to provide the destination								
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)				
1. Go to home 2. Enter Weather 3. Provide destination 4. Click the tik mark	Weather update shown from the Global Weather	User should get the weather update	As expected,	Pass				
Post Condition: User gets the weather update for the provided destination from Global Weather.								

Number -5

Project Name: Tour Guider System	Test Designed by: Farhad							
Test Case ID: FR_5	Test Designed date: 15-4-22							
Test Priority (Low, Medium, High): High	Test Executed by: Farhan							
Module Name: Create Event	Test Execution date: 16-4-22							
Test Title: User can create event where others can join.								
Description: Test the event creation and members interaction.								
Precondition (If any):								
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)				

1. Go to Create Event 2. Give a name of the event. 3. Add members 4. Request approval 5. Cancelling Request	Event created with a name. Members are interacting in the event. User controlling the members.	User should create the event successfully and managing other members.	As expected,	Pass
Post Condition: User creates the event and interact with other members and manage them.				

Number -6

Project Name: Tour Guider System	Test Designed by: Farhad							
Test Case ID: FR_6	Test Designed date: 15-4-22							
Test Priority (Low, Medium, High): High	Test Executed by: Farhan							
Module Name: Making Groups	Test Execution date: 16-4-22							
Test Title: User can make group among the event members.								
Description: Test the group the group creation among the event members								
Precondition (If any): Member need to joined in the particular event								
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)				
1. Go to Make Groups 2. Add members 3. Request approval 4. Cancelling Request	Group created with event members. Members are interacting in the group.	User should create the group successfully and managing other members.	As expected,	Pass				
Post Condition: User creates the group and interact with other members.								

Number -7

Project Name: Tour Guider System		Test Designed by: Roman					
Test Case ID: FR_7		Test Designed date: 16-4-22					
Test Priority (Low, Medium, High): High		Test Executed by: Farhan					
Module Name: Chatting		Test Execution date: 17-4-22					
Test Title: User can make chat with group members in personal or in group.							
Description: Test the user can chat with other group members in personal and in groups							
Precondition (If any): Member need to be present in the group							
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)			
1. Go to Chatting 2. Choose person or group 3. Make calls and do other operations of messenger. 4. Add members 5. Request approval 6. Cancelling Request	Chatting with others in personal or in group and can make all messenger operations.	User should chat with others in personal or in group.	As expected,	Pass			
Post Condition: User chats with other group members in personal or in group.							

Number -8

Project Name: Tour Guider System		Test Designed by: Roman					
Test Case ID: FR_8		Test Designed date: 16-4-22					
Test Priority (Low, Medium, High): High		Test Executed by: Farhad					
Module Name: Writing Vlogs		Test Execution date: 17-4-22					
Test Title: User can write vlogs							
Description: Test the user can write vlogs							
Precondition (If any):							
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)			

1. Go to Vlogs 2. Write vlogs 3. Can make the vlog public 4. Share with others	Writing vlogs and control privacy as well as sharing with others.	User should write a vlog and control privacy also able to share it with others.	As expected,	Pass
Post Condition: User writes the vlog with privacy control and sharing with others.				

Number -9

Project Name: Tour Guider System	Test Designed by: Farhan			
Test Case ID: FR_9	Test Designed date: 17-4-22			
Test Priority (Low, Medium, High): High	Test Executed by: Roman			
Module Name: Gallery	Test Execution date: 18-4-22			
Test Title: User can make gallery and upload files				
Description: Test the files are uploading in the gallery				
Precondition (If any):				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to Gallery 2. Make folders and upload files 3. Can choose location of files 4. Add new files 5. Delete Existing files	Files uploaded in the folders of the gallery.	User should be able to upload files from choosing location and add or delete more files	As expected,	Pass
Post Condition: User uploads files from choosing location and adding or deleting files from gallery.				

Number -10

Project Name: Tour Guider System	Test Designed by: Farhad			
Test Case ID: FR_10	Test Designed date: 17-4-22			
Test Priority (Low, Medium, High): High	Test Executed by: Farhan			
Module Name: Log Out	Test Execution date: 18-4-22			
Test Title: User can exit the system				
Description: Test the log out option makes the exit way from the system				
Precondition (If any): User need to logged in once first.				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to Log Out 2. Choose Yes or Cancel 3. If, Yes, then exit the system 4. Otherwise, stay in the system	Exit the system by choosing Yes after going to Log Out	User should exit the system by choosing Yes from Log Out	As expected,	Pass
Post Condition: User exit the system.				

Test Plan for Non-Functional Requirements:

Number -11

Project Name: Tour Guider System		Test Designed by: Farhad					
Test Case ID: NFR_1		Test Designed date: 17-4-22					
Test Priority (Low, Medium, High): High		Test Executed by: Farhan					
Module Name: Availability		Test Execution date: 18-4-22					
Test Title: Checking the availability of the software							
Description: Test the availability of the software.							
Precondition (If any):							
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)			
1. Check the software is available in 24/7	24/7 service time of the software	User should get service 24/7 of the software	As expected,	Pass			
Post Condition: User experiencing 24/7 service of the software.							

Number -12

Project Name: Tour Guider System		Test Designed by: Roman					
Test Case ID: NFR_2		Test Designed date: 18-4-22					
Test Priority (Low, Medium, High): High		Test Executed by: Farhad					
Module Name: Performance		Test Execution date: 19-4-22					
Test Title: Checking the performance of the software							
Description: Test the performance of the software.							
Precondition (If any):							
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)			
1. Check whether every web page is downloading in 10 seconds with 60 Kbps modem connection	Every web page is downloading in 10 seconds with 60 Kbps modem connection	User should download every web page in 10 seconds with 60 Kbps modem connection	As expected,	Pass			
Post Condition: User downloading every web page in 10 seconds with 60Kbps modem connection							

Number -13

Project Name: Tour Guider System		Test Designed by: Roman					
Test Case ID: NFR_3		Test Designed date: 18-4-22					
Test Priority (Low, Medium, High): High		Test Executed by: Farhad					
Module Name: Integrity		Test Execution date: 19-4-22					
Test Title: Checking the integrity level of the software							
Description: Test the security level of the software							
Precondition (If any):							
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)			
1. Check whether the data of users are well secure	User's personal data is in under protection	User's personal data should be protected and well secure	As expected,	Pass			
Post Condition: User's data is protected and well secure							

Number -14

Project Name: Tour Guider System		Test Designed by: Farhan					
Test Case ID: NFR_4		Test Designed date: 18-4-22					
Test Priority (Low, Medium, High): High		Test Executed by: Farhad					
Module Name: Robustness		Test Execution date: 19-4-22					
Test Title: Checking the robustness of the software							
Description: Test the robustness of the software							
Precondition (If any):							
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)			
1. Check whether the software automatically exit after 10 minutes	Without interaction of 10 minutes software exit itself	User will be turn out of the system after 10 minutes of no interaction	As expected,	Pass			

Post Condition: The software itself exit after 10 minutes

Number -15

Project Name: Tour Guider System	Test Designed by: Roman							
Test Case ID: NFR_5	Test Designed date: 19-4-22							
Test Priority (Low, Medium, High): High	Test Executed by: Farhan							
Module Name: Usability	Test Execution date: 20-4-22							
Test Title: Checking the usability of the software								
Description: Test the usability of the software.								
Precondition (If any):								
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)				
1. Check whether a complete request cab be submitted in 2 minutes	Creating, adding, deleting request completing in 2 minutes	User should submit a complete request in 2 minutes	As expected,	Pass				
Post Condition: User successfully submit a complete request in 2 minutes								

Number -16

Project Name: Tour Guider System	Test Designed by: Farhad							
Test Case ID: NFR_6	Test Designed date: 19-4-22							
Test Priority (Low, Medium, High): Medium	Test Executed by: Roman							
Module Name: Efficiency	Test Execution date: 20-4-22							
Test Title: Checking the efficiency of the software								
Description: Test the efficiency of the software.								
Precondition (If any):								
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)				

1. Check whether the software can give service in peak load situation	In peak load condition 30 percent of RAM space is free	User should get service smoothly in peak load condition	As expected,	Pass
Post Condition: User experiencing smooth service in peak load condition				

Number -17

Test Case ID: NFR_7	Test Designed date: 20-4-22			
Test Priority (Low, Medium, High): Medium	Test Executed by: Farhad			
Module Name: Reliability	Test Execution date: 21-4-22			
Test Title: Checking the reliability of the software				
Description: Test the availability of the software.				
Precondition (If any):				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Check whether the software fails 5 times out of 1000 test runs	The software gives 1000 test runs	The software should not fail no more than 5 times out of 1000 test runs	As expected,	Pass
Post Condition: The software did not fail no more than 5 times out of 1000 test runs				

Number -18

Project Name: Tour Guider System	Test Designed by: Farhan
Test Case ID: NFR_8	Test Designed date: 20-4-22
Test Priority (Low, Medium, High): Medium	Test Executed by: Roman
Module Name: Maintainability	Test Execution date: 21-4-22
Test Title: Checking the maintainability of the software	
Description: Test the maintainability of the software.	
Precondition (If any):	

Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Check whether the user can modify information	Use modify username, password	User should be able to modify information	As expected,	Pass
Post Condition: User successfully modified information				

7.ITEM PASS/FAIL CRITERIA

Once the initial set of distributors has successfully sent in reallocated sales data for a month and the new EDI data balances with the old ZIP/FAX data received in parallel, the test process will be finished. When the sales administration team is satisfied that the data is valid, the first set of distributors will be activated, and all parallel processing for those accounts will be disabled.

8.TEST DELIVERABLES

- Acceptance test plan
- System/Integration test plan
- Unit test plans/turnover documentation
- Screen prototypes
- Report mock-ups
- Defect/Incident reports and summaries
- Test logs and turnover reports

9.STAFFING AND TRAINING NEEDS

A team of seven test engineers will be working on the "Tour Guider System" app. This will prevent the test project from being postponed owing to a staffing shortage. At least three full-time testers should be on site at all times during the system, acceptability, and all major mission critical testing phases. Three additional members of the test team may be new employees, allowing us to avoid paying them as full-time testers. They can review the testing technique, receive training, and learn how to conduct large-scale tests. In order to provide thorough and proper testing, the following topics in terms of training must be addressed.

- The Chatting Interface's basic operations will need to be taught to the developers and testers. The operations crew will also require thorough training on this technology prior to final acceptance of the project.
- To avoid problems in the future, the team must maintain careful documentation.
- Because the navigation system is highly complex, it should be handled by senior engineers. They must have prior navigation system design experience. As this will be integrated with one of the system's primary features, Finding The Best Route.

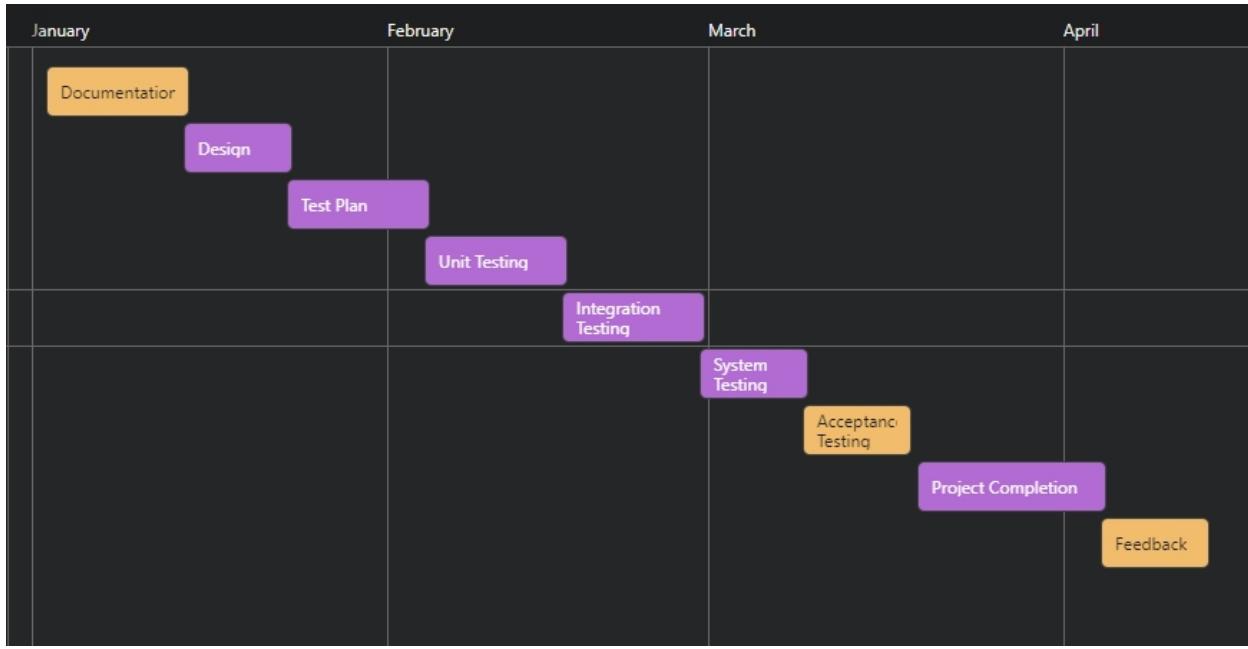
10. RESPONSIBILITIES

Responsibility	Name	Role
Test Plan Verification	Hossan, MD. Farhad	Lead Test Engineer
Preparing The Test Cases	Masud, Farhan	Test Engineer
Unit Test Documentation & Execution	Khan, Roman	Junior Tester
Acceptance Test Documentation & Execution	Hossan, MD. Farhad	Lead Test Engineer
Validating Project changes	Masud, Farhan	Project Manager
Regression Test and Control Changing	Masud, Farhan & Khan, Roman	Test Engineer, Junior Tester
Design Documents	Hossan, MD. Farhad & Masud, Farhan	Lead Test Engineer, Project Manager
Test Documentation & Execution of Test Cases	Masud, Farhan & Khan, Roman	Test Engineer, Junior Tester

11. 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	02-01-2022	14-01-2022
2	Design	9 Days	14-01-2022	23-01-2022
3	Test Plan	12 Days	23-01-2022	04-02-2022
4	Unit Testing	11 Days	04-02-2022	15-02-2022
5	Integration Testing	13 Days	15-02-2022	28-02-2022
6	System Testing	9 Days	28-02-2022	09-03-2022
7	Acceptance Testing	9 Days	09-03-2022	18-03-2022
8	Project Completion	17 Days	18-03-2022	04-04-2022
9	Feedback	8 Days	04-04-2022	12-04-2022



12.PLANNING RISKS AND CONTINGENCIES

- Changes in Requirements: Before beginning development, every feature should be agreed upon, and records should be kept. This will limit the number of changes to the original requirement that are unnecessarily made. Failure to do so may result in concessions such as overtime labor or an increase in the number of accepted flaws in the system.
- Future Update: The software system must be versatile enough to accommodate future modifications and extend its capabilities. During the maintenance phase, a prior agreement will be established for any necessary future expansions.
- Lack Of Resources: Due to a staffing shortfall, it may take longer to obtain workers to evaluate necessary papers and participate in the Acceptance test procedure. If client staff becomes a problem, review and acceptance testing dates will be pushed back correspondingly.

13. APPROVALS

Name	Role	Date
Hossan, MD. Farhad	Lead Test Engineer	25-04-2022
Masud, Farhan	Project Manager, Test Engineer	25-04-2022
Khan, Roman	Junior Tester	25-04-2022

14. REFERENCES

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