American International University-Bangladesh (AIUB)

Department of Computer Science

Faculty of Science &Technology (FST)

Spring, 22-23

Section: A

Software Quality Assurance and Testing

ON DEMAND SECURITY SYSTEM

A Report submitted
By

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American International University-Bangladesh

Software Test Plan

for

<ON DEMAND SECURITY SYSTEM>

Version 1.0 approved

Prepared by <Jahid, Musfiq, Fuad>

<American International University-Bangladesh>

<30-04-23>

Checked By Industry Personnel

Name: Mohsin Sheikh

Designation: Project Manager

Company: Avanteca Limited

Sign:

Date: 30-04-23

Table of Contents

Revision History

Revision	Date	Updated by	Update Comments
0.1	2023.04.14	Jahid	First Draft
0.2	2023.04.16	Musfiq	Second Draft
0.3	2023.04.18	Jahid	Third Draft
0.4	2023.04.25	Fuad	Fourth Draft
0.5	2023.04.27	Musfiq	Fifth Draft
0.6	2023.04.29	Jahid	Final

1. TEST PLAN IDENTIFIER:RS-MTP01.3

2. REFERENCES

- Software Requirement Specification (SRS) Document
- Software Testing And Quality Assurance – Theory and Practice - Kshirasagar Naik & Priyadarshi Tripathy
- Software Quality Engineering: Testing, Quality Assurance and Quantifiable Improvement - Jeff Tian
- https://www.google.com/
- Software engineering course

3. INTRODUCTION

Background to the Problem

- In our daily life sometimes, we need to go outside at late night for emergency work or when we visit any new place for working purpose or visiting, we feel the need of a guide who can help us to know the place or give us security. A female student or worker also wants security when they need to travel at night. Now-a-days it becomes so hard for working parents to take care of their children specially on the daytime. During Covid-19 pandemic we feel the need of delivery small things like official paper, home-made food to relative's house and so many things. By giving security guard who will ensure safety, baby-sitter for alone children or a delivery man who will deliver small domestic products from one place to another can solve those mentioned problem. A school, college, university, company or industry needs the security guard for their safety purpose. We provide the well trained and trusted security guard or security system for them. For example, CC camera, fingerprint door lock etc. To keep it those necessity in our mind we want develop this project that will provide all those services whenever customers request it for.

- The main cause of this problem we could not trusted any person in a single day. That's why we find the honest and experienced people. We provide them the experienced and trusted people also. They did not worry about their security. We provide the best security for them.

  We consider this problem just because to insured the safety of the people. And this project will create the opportunity for both customer and employee. The students those need part time job, jobless who need job, female students, all of them can earn money by giving those services to customer. And the general people who are the main customer

will get service like security, baby care at daytime just by sending request using this system. Overall, it will create job sector for jobless and service sector for general people

Solution to the Problem

- Our Project is concern about to help common people with security especially women and children security. According to report it says daily 13 Females are being raped. The unregistered number is far more. The female Harassment in public places even outside of the school college are very alarming. Eve teasing rate is also high in our country. Our software and the ecosystem will solve this problem. The need for baby siting is increasing rapidly. As women are now working alongside man, they need a person to watch their babies. So, a platform of babysitters will help to fulfil the requirement of them.

  Women are half of our population. We cannot neglect them to devolvement of our nation. They are more vulnerable than man. If, women are harassed this way they will lose confident to do work and achieve something. As result families will discourage for women education and work. As result we will lose a capable force from our country. For our system women will feel safe to travel at night be themselves everywhere. As result the economy of our country will increase.

- We want to create a system which will provide on demand security services. Under this system there will be enough employees in both gender who will be ready for giving services whenever customers will request.

  As employees, there will work students, recently graduates who are searching for job and any candidate who can full-fill the job requirements. So, this system will target our job market by giving jobless' work opportunity.

- The main audience would be general people. They will be able to request for services like security, baby-sitting, delivery home made products through this system whenever they are on need. We belief that the existing software is the solutions for the customer and employee also.

4. REQUEIREMNT SPECIFICATION

4.1 System Features

1) System Registration

Functional Requirements

i) The software must allow users to register with the necessary information.

ii) If the username is not unique, the system will prompt the user to try registration with a different username again.

Priority Level: High

Precondition: Not applicable.

2) System Login

Functional Requirements

i) Users must be able to log in using their assigned username and password.
ii) If the username and/or password have been entered incorrectly more than three times, the random verification code will be generated by the system to retry login.

Priority Level: High

Precondition: The user must have a valid user ID and password.

3) System Verification

Functional Requirements

i) Users will give the valid phone number for validation the website account.

Priority Level: High

Precondition: User must have valid phone number.

4) Home page

Functional Requirements

i) Users will find or search for services.
ii) To see profile.
iii) Check employee details.

Priority Level: Medium

Precondition: User must have valid account

5) Check Profile

Functional Requirements

i) User can see his profile
ii) Change profile
iii) Edit profile

Priority Level: Medium

Precondition: User must have valid account

6) Job Circular

Functional Requirements

i) User can see the job circular
ii) Job details
iii) Job location

Priority Level: Medium

Precondition: User must have valid account

7) Apply for Job

Functional Requirements
i) User can apply for job
ii) User needs to full-fill all the condition

Priority Level: Medium

Precondition: User must have valid account

8) Payment

Functional Requirements

i) User can payment their charges through the software. Three ways to get payment Online Banking (Bkash/ Nagad/Rocket/Upay)
ii) Banking (Any Card)
iii) Cash on payment.

Priority Level: Medium

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

4.2 System Quality Attributes

1. Usability: The system must be user-friendly. The system should be intuitive and simple to navigate.

2. Efficiency: The system should maximize the capacity and memory of the processor. Any task should be completed with optimal efficiency.

3. Security: System security should be sufficient to prevent unauthorized access to system functions in order to prevent information loss, protect data privacy, and safeguard the system against viruses.

4. Modularity: The system's every block of code must be under separate and acceptable modules.

5. Testability: The system should be simple to test and identify flaws.

6. Flexibility: The system should be flexible enough to be modified.

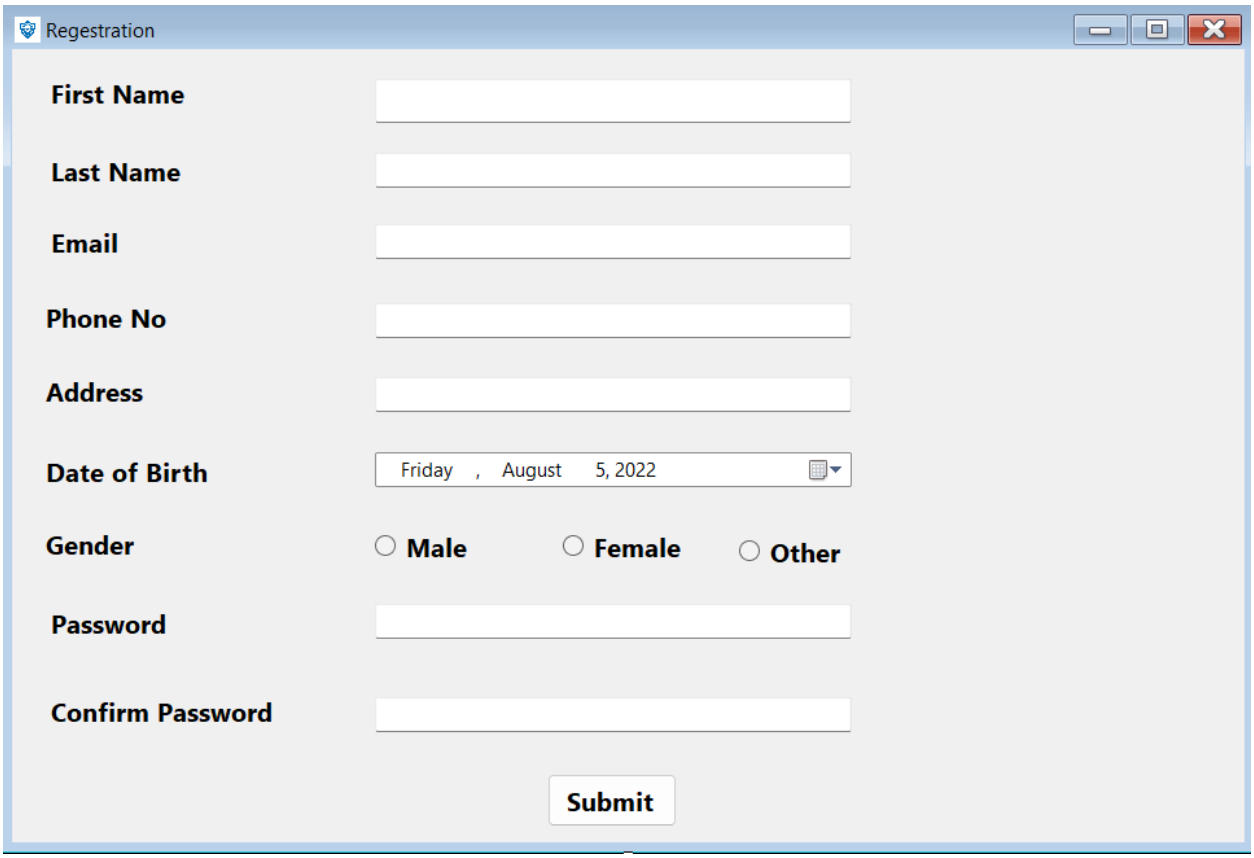
7. Reusability: Code library classes should be general enough to be utilized on multiple versions of an application or new projects.

4.3 System Interface

The system interface of a mobile financial service would typically include a number of features and tools that allow users to access and manage their financial accounts and transactions on their mobile devices. Here are system interface elements that a mobile financial service includes:

4.3.1 User Interface and Experience (UI/UX):

4.3.1.1 A registration screen where users can enter their information to create their accounts.



*fill up name
*phone no
*Birth
*Password

FIG 4.3.1.1: Registration page

4.3.1.2 A login screen where users can enter their credentials to access their accounts. This could include features such as multi-factor authentication for added security.

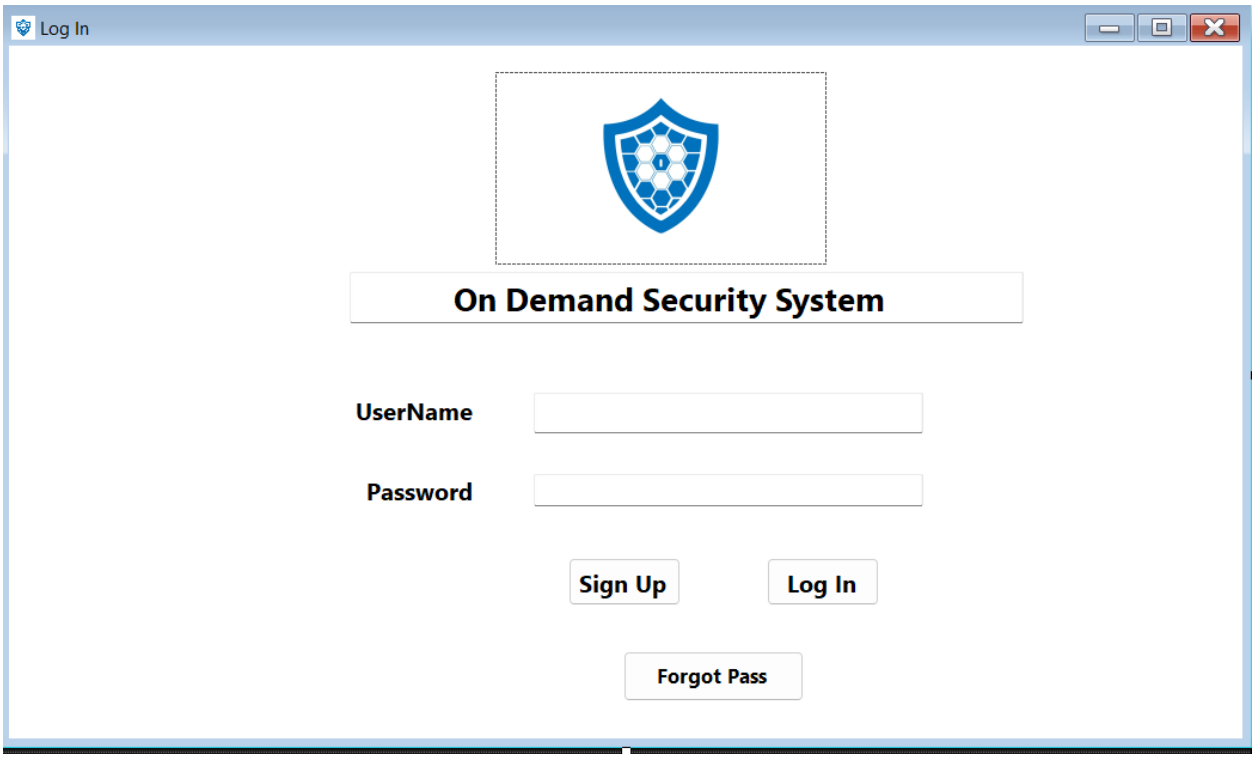


FIG 4.3.1.2: Login Page

4.3.1.3 Verification Account by SMS sending Code.

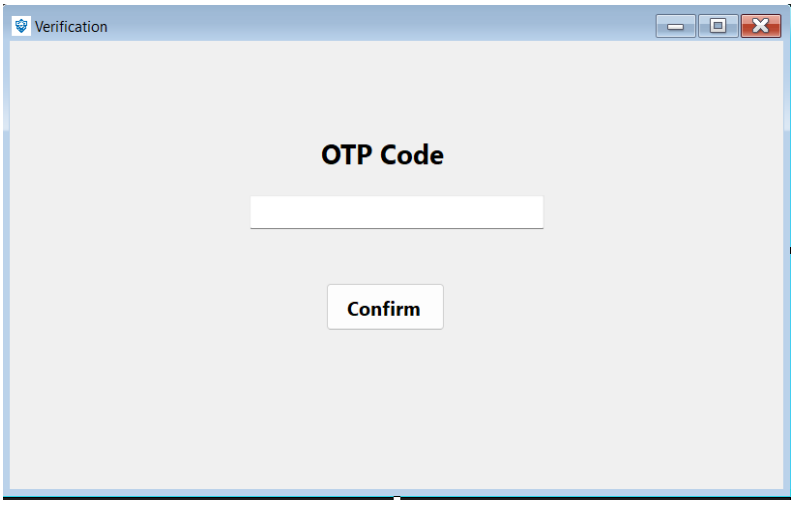


FIG 4.3.1.3: Verification Page

4.3.1.4 Home page For Services.

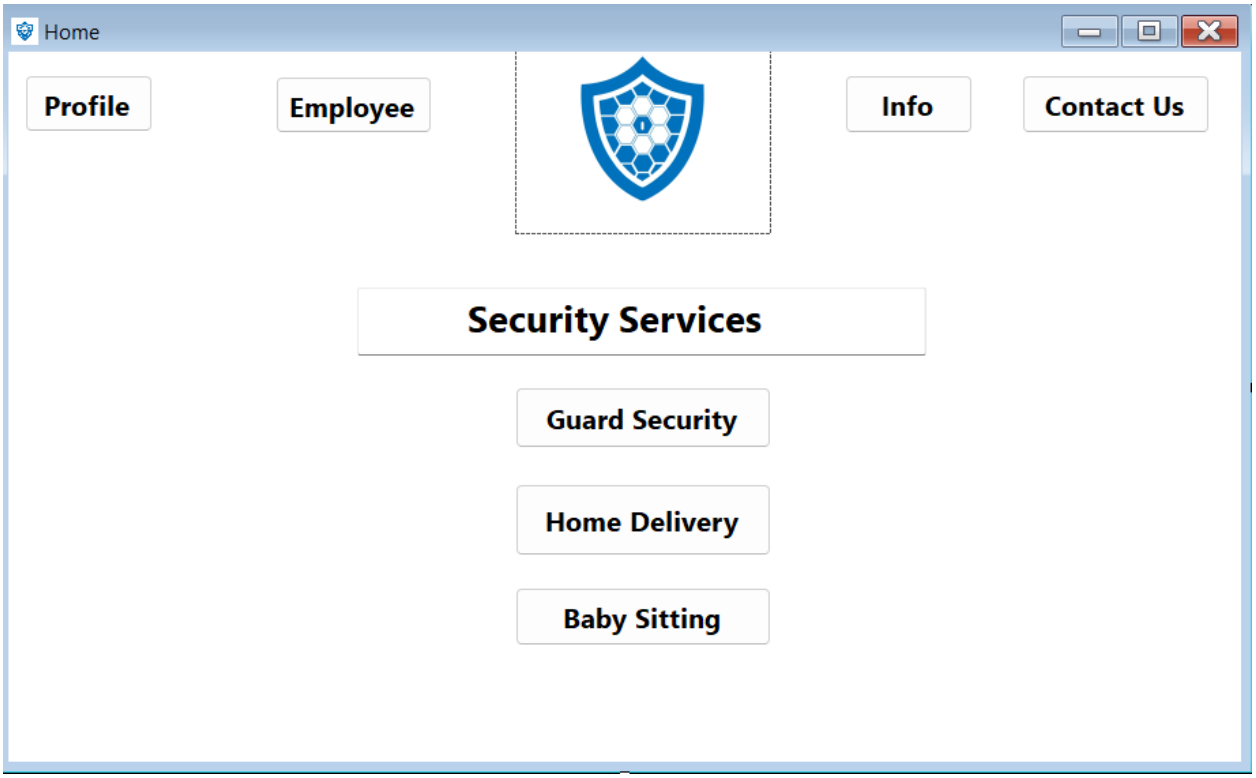


FIG 4.3.1.4 Home page

4.3.1.5 User can see his/her profile.

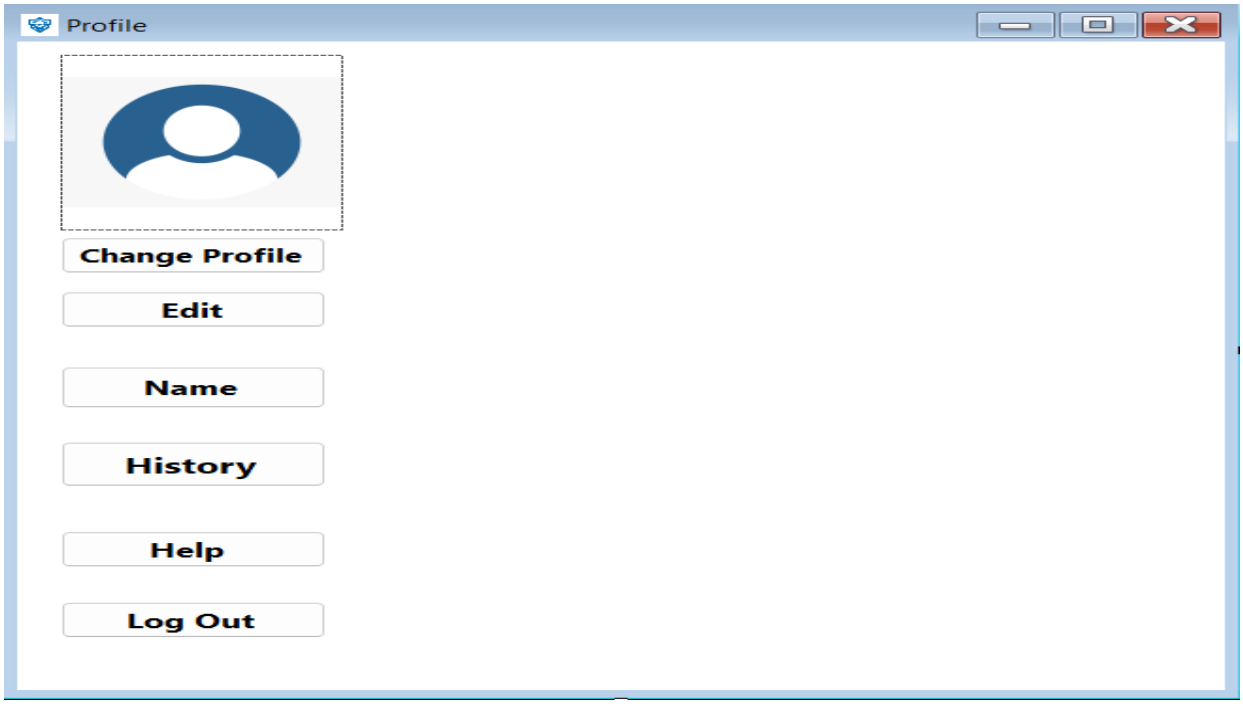


FIG 4.3.1.5 Profile

4.3.1.6 User can see the job circular.

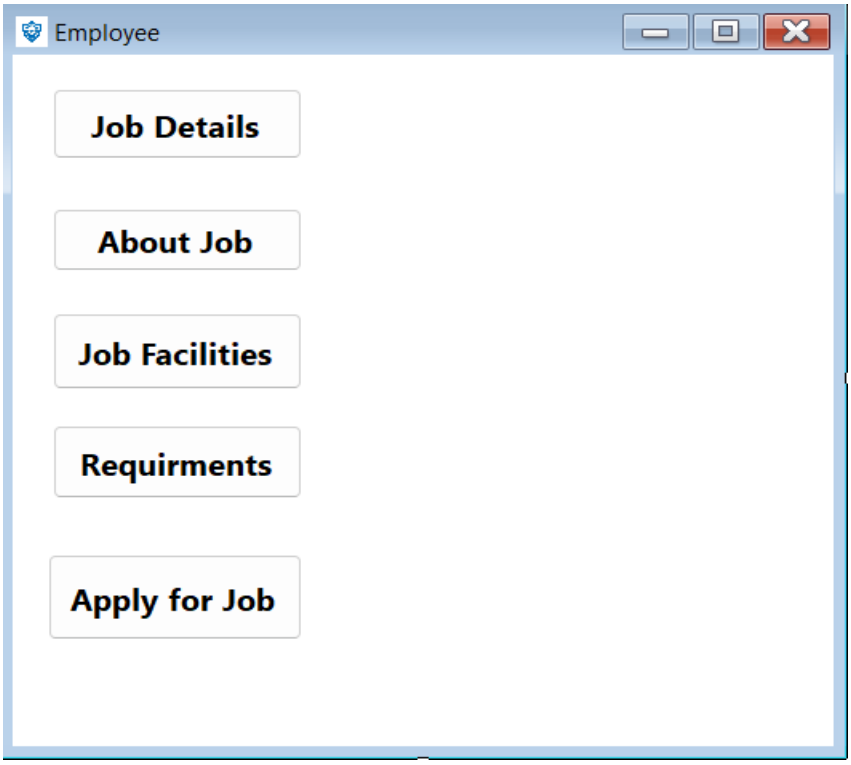


FIG 4.3.1.6: Employee

4.3.1.7 Apply for job.

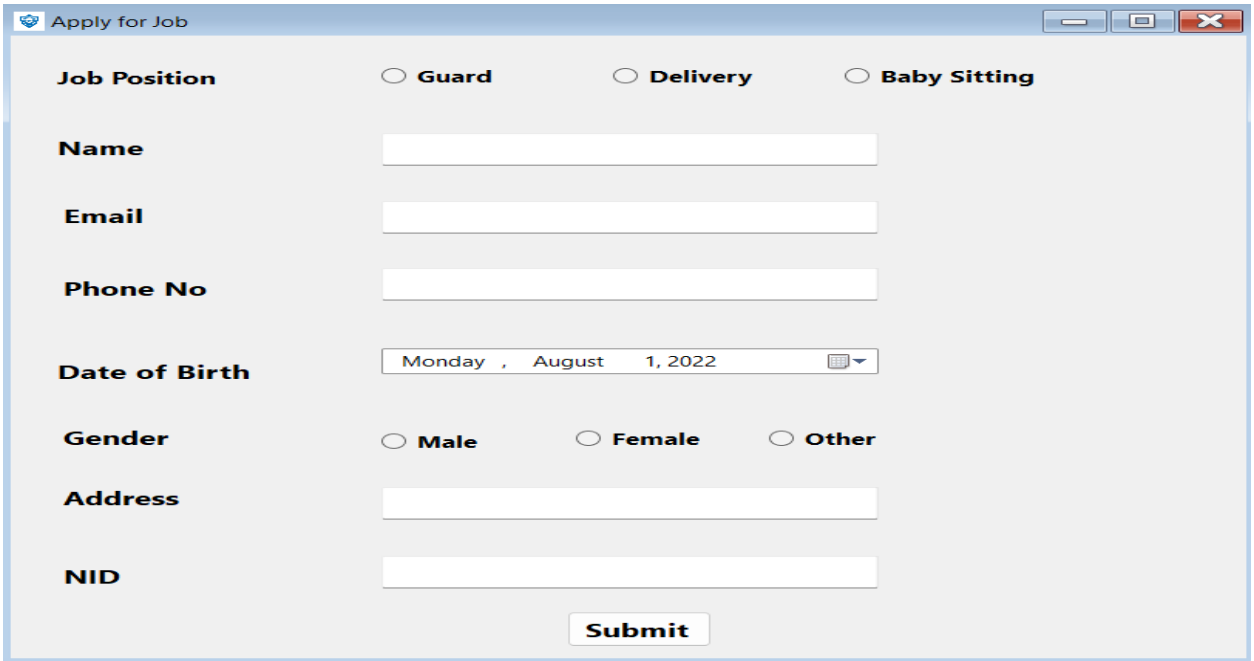
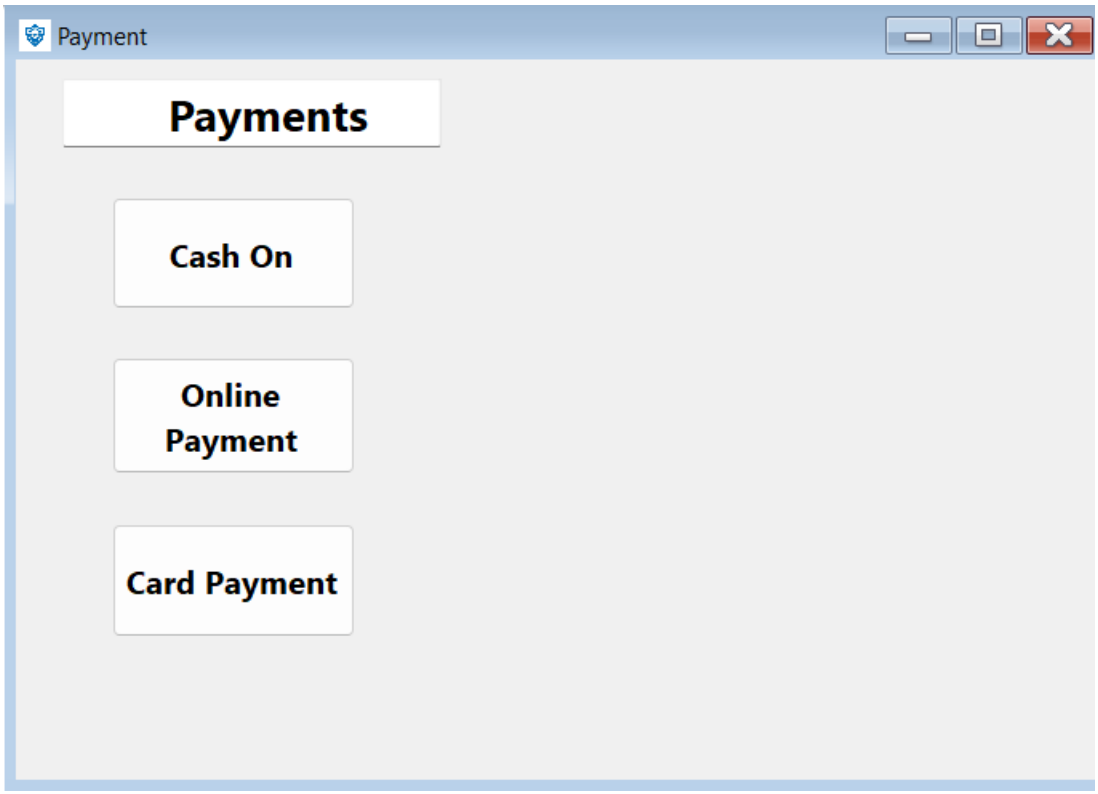
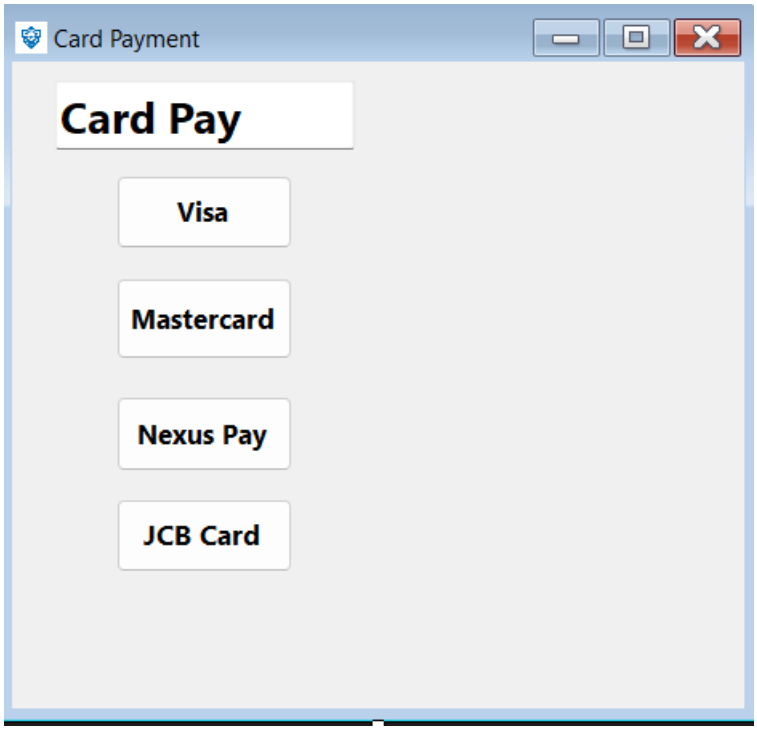


FIG 4.3.1.7: Apply for job

4.3.1.8 Payment:





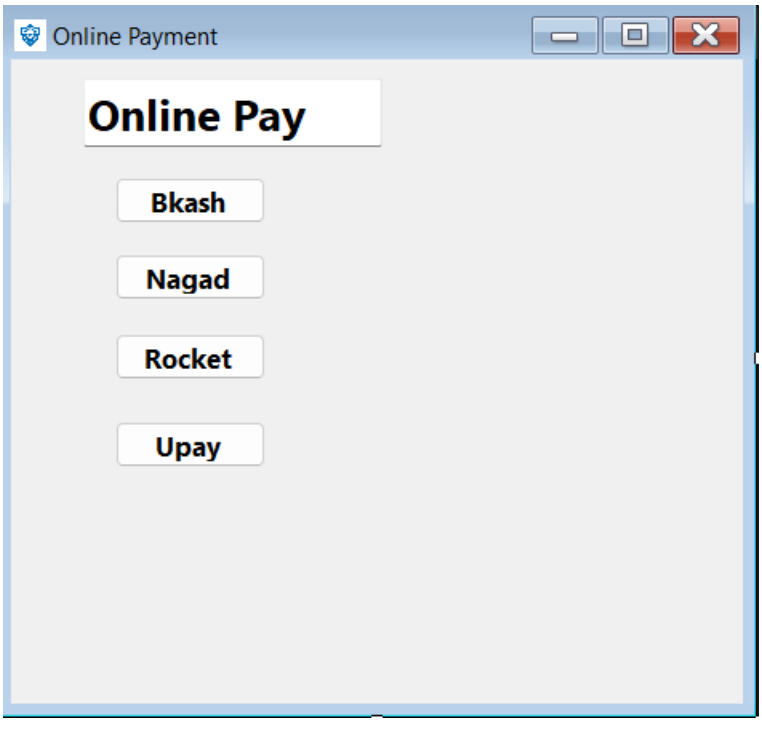


FIG 4.3.1.8: Payment

4.4 Project Requirements

Since the model chosen for completion of the project is agile method, by taking effort estimation in account it was found that 130 working days is required to complete the project. On the basis of Rational Unified Process, the time phase for each task can be divided as follows:

Task of phase	**Days**
Requirements Elicitation	21
Project Planning	18
Requirements Analysis	14
System Design	28
Implementation & Unit Test	37
System Integration & System Testing	21 15

Note: Every engineer works 8 hours a day, 6 days a week. The overall length of the project is 154 working days, (excluding national holidays).

Cost and Profit Analysis

Estimation Cost:

Estimation as per the basic COCOMO'81the software is semi-detached type. The estimation formula for Embedded software:
Coefficient, C= 3.0
Complexity, P= 1.12
Dependent constraint T=0.35
Assume that the size of an organic type software product has been estimated to be 5,000 lines of
source code.
Source line of code= 5,000
Effort = 3.0*(5000/1000) ^1.12
= ~ 18 p/m

Development Time = 2.50 * (18) ^0.35
= 7 months
Project development time = 7 months

Estimated Budget:
Working days = 6 days in a week

Working hours per day = 8 hours
Working hours in 7 month=(7*48*24)= 8064 hours

Requirement Cost:

Business analysis salary per month= 150,000 per/month
Salary per day=(150000/24)=~6250 TK

Work Type	Cost (TK)
Collect data from stakeholder (6 Days)	6*6800=37500
Communicate with user group(8Days)	8*6800=50000
Analysist functional requirement(4Days)	4*6800=25000
Analysist non-functional requirement(3Days)	3*6800=18750
	Total cost=131250 Tk

Project Manager Cost:

Project manager salary per month= 110000 Tk
Salary per day=(110000/24)=~4500 TK

Work Type	Cost (TK)
Project planning (12 Days)	12*4500=5400
Management Team (2 Days)	2*4500=9000
Work distribution (4 Days)	4*4500=18000
Unfamiliar method identify (14 Days)	14*4500=63000
	Total=144000

Design Cost:

Designer salary=50000 Tk per month

Salary per day=(50000/24)=~2000 TK

Work Type	Cost (TK)
Whole project design(8Days)	8*2000=16000
Website Design(8Days)	8*2000=16000
Mobile App design(6Days)	6*2000=12000
Database design(6Days)	6*2000=12000
	Total cost= 56000

Development Cost:

Developer salary=80000 tk per month

Salary per day=(80000/24)=~3300 TK

Work Type	Cost (TK)
System Integration & System (21Days)	21*3300=69300
Unit Testing(12 Days)	12*3300=39600
Coding(25Days)	25*3300=82500
	Total=191400

Testing Cost:

Tester salary =40000 per/month

Salary per day=(40000/24)=~1600 TK

Total cost=15*1600= 24000 tk

Maintenance Cost:

Monthly 10 Hours (7 months and per hour salary 1000) Cost=10 x 7 x 1000=70,000 tk

Total Cost:

Requirement Cost	131250
Project Manager Cost	144000
Design Cost	56000
Development Cost	191400
Testing Cost	24000

Maintenance Cost	70000
Website hosting Cost	40000
Marketing cost	120000
Training Cost	130000
Office cost	150000
Utilities Cost	60000
Total	**=986650**

Estimation Profit:

Those who will use our service they have to pay some amount of money. An additional 8% of the employee's salary will be charged to customer who use our service. And additional 5% of the employee's salary will be charged to employee. For example, a employee's salary is 20000 tk. Then profit from customer=20000*8%=1600tk and profit from employee= 20000*5%= 1000tk. Hear, total profit=1600+1000=2600 from 1 employee per month. If 100 employee work in 1 month then profit= 2600*100= 260000. After 4 month we will be benefited (4*260000=1040000-986650)=53350. After that our profit 8%+5%=13% every month

5. FEATURES NOT TO BE TESTED

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. For example:

There are a few potential features that might not be tested in a mobile financial service app, depending on the specific requirements and constraints of the project:

Hardware compatibility: If the website is only designed to run on specific types of hardware, such as smartphones or tablets, then the development team may not need to test the website on other types of hardware.

Operating system compatibility: If the website is only designed to run on specific operating systems, such as Mac OS or Windows, then the development team may not need to test the website on other operating systems.

Third-party integrations: If the website does not integrate with any third-party systems or services, then the development team may not need to test these integrations.

Edge cases: If the app is not expected to encounter certain scenarios or conditions, such as network disruptions or power outages, then the development team may not need to test for these scenarios.
Overall, the features that are not tested will depend on the specific requirements and constraints of the project, as well as the priorities and goals of the development team and stakeholders.

6. TESTING APPROACH

6.1 Testing Levels

There are several levels of testing that are to be performed on a mobile financial service app, including domain testing, unit testing, integration testing, and acceptance testing. These levels can be grouped into three main categories:
Domain testing: This is a type of testing that focuses on the specific domain or context of the website, such as the financial industry. Domain tests are typically created and executed by subject matter experts or domain specialists, and they are used to verify that the website is aligned with industry standards and regulations, as well as user expectations and needs.

Unit testing: This is a type of testing that focuses on individual components or units of the wesite, such as functions or modules. Unit tests are typically created and executed by the development team, and they are used to verify that each unit of the website is functioning correctly and meeting the specified requirements.

Integration testing: This is a type of testing that focuses on the integration of different units or components of the website. Integration tests are typically created and executed by the development team, and they are used to verify that the different units of the website are working together correctly and meeting the specified requirements.

Acceptance testing: This is a type of testing that focuses on verifying that the website meets the specified requirements and is ready for release. Acceptance tests are typically created and executed by the development team or an independent testing team, and they are used to verify that the website is functioning correctly and meeting the specified requirements.

6.2 Test Tools

To test a mobile financial service using Selenium, the following steps have been taken:

1. Install and configure Selenium: The Selenium software have been downloaded and

installed, as well as any necessary dependencies, such as a web driver for controlling the

browser. The installation instructions provided by Selenium would have been followed,

or other technical experts have been consulted for assistance if needed.

2. Write the test scripts: The test scripts that should be executed by Selenium would have been written. These scripts have been written in programming language Java, and they have defined the specific actions and checks that Selenium should perform. The scripts could have included steps for logging in to the service, checking account balances, and performing transactions.

3. Execute the test scripts: The test scripts have been run using Selenium, which would have automatically performed the actions and checks defined in the scripts. Selenium have provided feedback on the results of the tests, such as any errors or failures that occurred. The Selenium command-line interface or graphical user interface would have been used to execute the scripts, or a continuous integration tool could have been used to automate the testing process.

4. Analyze the test results: The test results have been reviewed and any issues or bugs that were discovered during testing would have been identified. The Selenium output, such as any error messages or failed test cases, have been examined and the root cause of the issue would have been determined. The development team have been worked with to fix any issues and ensure that the mobile financial service is functioning correctly.

4.1 Write some code in Selenium for testing

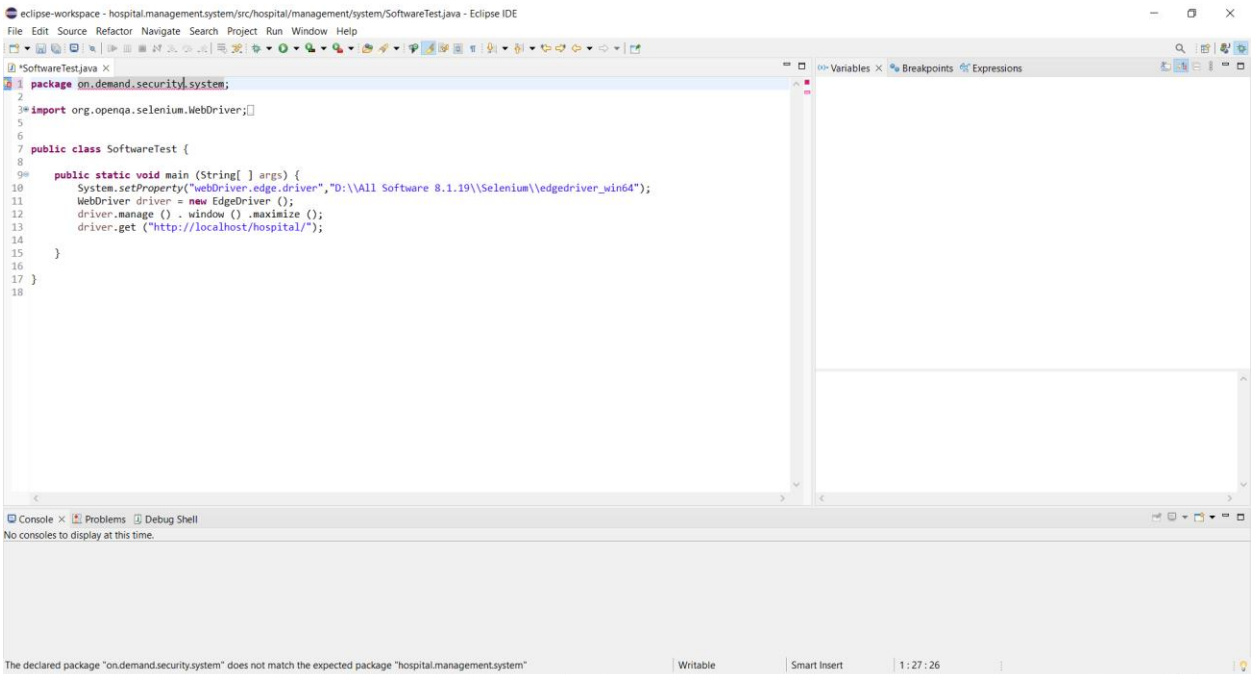


FIG 4.1: Selenium Code

4.2 Test result.

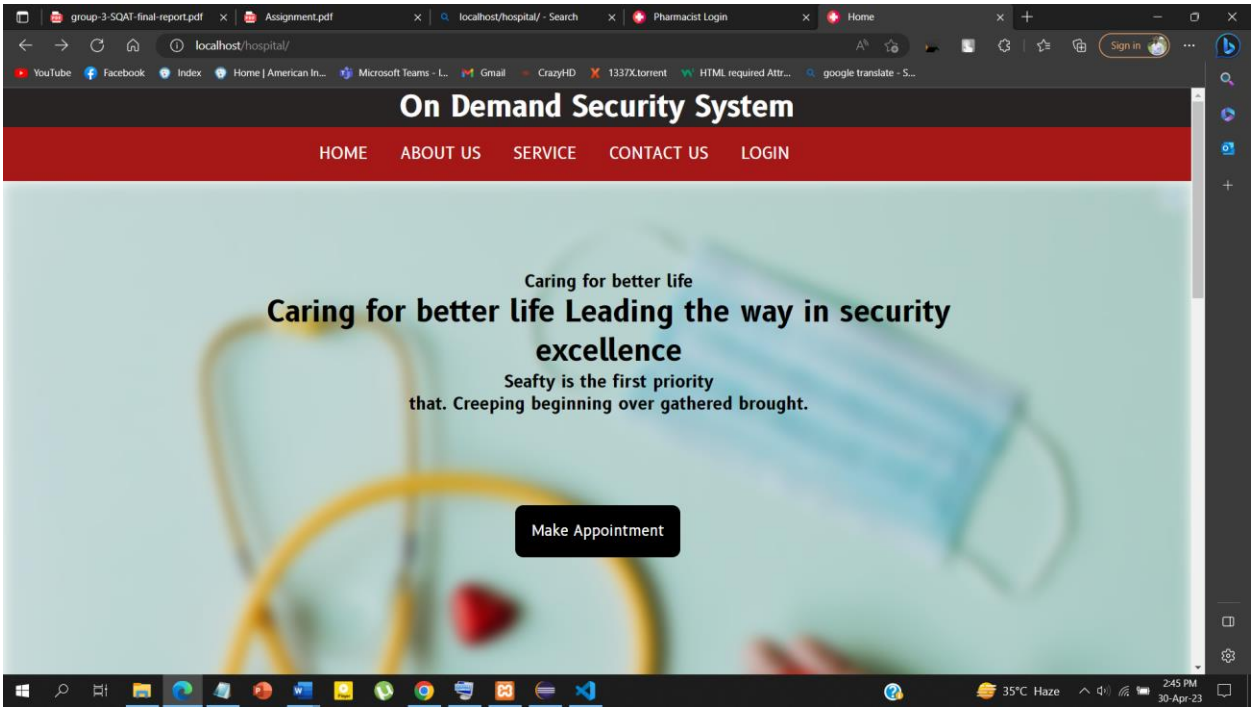


FIG 4.2: Result

6.3 Meetings

The test team will meet once in every week to evaluate progress to date and to identify error trends and problems as early as possible. The test team leader will meet with development and

the project manager once every two weeks as well. These two meetings will be scheduled on different weeks. Additional meetings can be called as required for emergency situations.

7. TEST CASES/TEST ITEMS

Test Automation:

Project Name: One demand security System			**Test Design By:** Jahid Hassan	
Test Case ID: FR_1			Test Design Date: 18-04-23	
Test Priority: Medium			**Text Executed By:** Jahid Hassan	
Module Name: Login system			**Text Executed Date**: 19-04-2023	
Test Title: Verify login with valid username and password.				
Description: Test website login page.				
Precondition: User must have valid username and password.				
Test Step	**Test Data**	**Expected Result**	**Actual Result**	**Status**

1.Go to the website. 2.Enter username. 3.Enter password. 4.Click submit.	Username: Jahid Password: 123	User should login into the application.	As expected Not expected	Pass Fail

Project Name: On demand security system.			**Test Design by:** Jahid Hassan	
Test case Id: FR_2			**Test Design date:** 18-04-2023	
Test Priority (Low, Medium, High): Medium			**Test Executed by:** Jahid Hassan	
Model Name: Registration Session **Test Title:** Verify registration with email or phone number code, giving the valid username, password and the other information. **Description:** Test website registration page			**Test Execution Date:** 19-04-23	
Precondition: User must have NID, Phone number and valid address				
Test Steps	**Test Data**	**Expected Result**	**Actual Result**	**Status**

1. Go to the website 2. Enter all data 3. Enter new password 4. Enter confirm password 5. Click submit	NID no: Phone no: Confirm-password	User should valid NID, Phone no and password	As expected Not expected	Pass Fail
Post Condition: User is valid with database and successfully registration. The account is created.				

Project Name: One demand security System			**Test Design By:** Jahid Hassan	
Test Case ID: FR_3			**Test Design Date:** 18-04-2023	
Test Priority: High			**Text Executed By:** Jahid Hassan	
Module Name: Verification page section.			**Text Executed Date:** 19-04-2023	
Test Title: Recover password with valid mail address.				
Description: Test website forgot page.				
Precondition: User must have valid account or create new account.				
Test Step	**Test Data**	**Expected Result**	**Actual Result**	**Status**

1.Go to the website. 2.Enter valid mail address. 3.Check mail for verification code. 4.Enter verification code. 5.Click Submit	Phone Number: 01774060016 Verification code: 231445	User should change the password.	As expected Not Expected	Pass Fail

Project Name: On Demand Security System			**Test Designed by:** Musfiq	
Test Case ID: FR_4			**Test Design date:** 19-04-23	
Test Priority (Low, Medium, High): Medium			**Test Executed by:** Musfiq	
Module Name: Home Page **Test Title:** Users successfully login			**Test Execution Date:** 19-04-23	
Description: Test website home page.				
Precondition: Users must have login.				
Test Steps	**Test Data**	**Expected Result**	**Actual Result**	**Status**
1. Go to website 2. Log in		User should log in the application	As expected,	Pass

Project Name: On Demand Security System	**Test Designed by:** Musfiq
Test Case ID: FR_5	**Test Design date:** 19-04-23
Test Priority (Low, Medium, High): Medium	**Test Executed by:** Musfiq
Module Name: Job page for Employee **Test Title:** Users enter the job apply	**Test Execution Date:** 19-04-23
Description: Test website job employee page.	
Precondition: Users must have entered the job apply page.	

Test Steps	**Test Data**	**Expected Result**	**Actual Result**	**Status**
1. Go to website 2. Log in 3. Enter the job Page	NID, phone number, email	User should have valid NID, phone no, email	As expected,	Pass

Project Name: On Demand Security System	**Test Designed by:** Musfiq
Test Case ID: FR_6	**Test Design date:** 19-04-23
Test Priority (Low, Medium, High): Medium	**Test Executed by:** Msfiq
Module Name: Employees Information. **Test Title:** Users successfully login.	**Test Execution Date:** 19-04-23
Description: Test employee information page.	

Precondition: Users must have login and entered the home page.				
Test Steps	**Test Data**	**Expected Result**	**Actual Result**	**Status**
3. Go to website 4. Log in	ID, phone number, email, address.	User should log in the application	As expected,	Pass

Project Name: On demand security system.	**Test Design by:** Fuad
Test case Id: FR_7	**Test Design date:** 19-04-23
Test Priority (Low, Medium, High): High	**Test Executed by:** Fuad
Model Name: Payment Session **Test Title:** Verify account no and password **Description:** Test website payment page	**Test Execution Date:** 20-04-23

Precondition: User must have an account in this website, give the account information in website and must be an employee through on this website.				
Test Steps	**Test Data**	**Expected Result**	**Actual Result**	**Status**
1. Go to the website 2. Select payment 3. Choose Account type 4. Enter account no 5. Enter password 6. Click submit	Account no: 755843734523 Password: 8675	User should minimum balance for withdraw	As expected Not expected	Pass Fail
Post Condition: User is valid with database and successfully valid account.				

Project Name: On demand security system.	**Test Design by:** Fuad
Test case Id: FR_8	**Test Design date:** 19-04-23
Test Priority (Low, Medium, High): Medium	**Test Executed by:** Fuad
Model Name: Logout **Test Title:** Account must be login **Description:** Test website logout page	**Test Execution Date:** 20-04-23

Precondition: User must have login first.				
Test Steps	**Test Data**	**Expected Result**	**Actual Result**	**Status**
1. Go to the website 2. Enter username 3. Enter password 4. Click logout 5. Click submit	Username password	User should login website	As expected Not expected	Pass Fail
Post Condition: User is valid with database and successfully login.				

8. ITEM PASS/FAIL CRITERIA

The pass/fail criteria for a test item in a on demand security system service website are the specific criteria or standards that must be met in order for the test item to be considered successful or pass. These criteria may be based on the requirements and specifications of the website, as well as any industry standards or best practices that apply.

Pass/fail criteria for test items in a on demand security system service website are:

Account management: The test item must display the user's account balances and transaction history correctly, and it must allow the user to update their personal information easily and securely.

Bill payment: The test item must display the user's payees and payment details correctly, and it must allow the user to make payments easily and securely.

Money transfer: The test item must display the user's transfer history and transaction details correctly, and it must allow the user to transfer money easily and securely.

Overall, the pass/fail criteria for a test item will depend on the specific requirements and constraints of the project, as well as the priorities and goals of the development team and stakeholders.

9. TEST DELIVERABLES

Test deliverables are the outputs or results of the testing process that are delivered to the stakeholders or project team. These deliverables may include documents, reports, logs, and other artifacts that provide information about the testing process and the results.

Test deliverables for a on demand security system service website are:

Acceptance test plan: A document that outlines the scope, objectives, and approach of the acceptance testing process, as well as the roles and responsibilities of the testing team.

System/Integration test plan: A document that outlines the scope, objectives, and approach of the system and integration testing process, as well as the roles and responsibilities of the testing team.

Unit test plans/turnover documentation: A document or set of documents that describe the specific unit tests that will be performed on the website, including the test steps, expected results, and pass/fail criteria.

Screen prototypes: A set of screen mock-ups or prototypes that show how the website will look and function, including the layout, design, and user interactions.
Report mock-ups: A set of mock-ups or examples of the reports that will be generated by the website, such as account balances, transaction history, and bill payments.

Defect/Incident reports and summaries: A document or set of documents that describe any defects or issues that were identified during the testing process, including the symptoms, causes, and resolution steps.

Test logs and turnover reports: A document or set of documents that record the details of each test that is performed, including the test steps, actual results, and any notes or comments. These logs may also include turnover reports that summarize the results of the testing process and provide recommendations for next steps.

Overall, these deliverables provide valuable information and insights about the testing process and results for a mobile financial service app, and they can be used to identify any defects or issues in the website, as well as to improve the quality and functionality of the website.

10. STAFFING AND TRAINING NEEDS

The staffing and training needs for a on demand security system service website will depend on the specific requirements and constraints of the project, as well as the priorities and goals of the development team and stakeholders. However, in general, a on demand security system service website may require the following staffing and training needs:

Project manager: A person who is responsible for overseeing the development and testing of the website, including managing the budget, schedule, and resources, as well as communicating with the stakeholders and project team.

Development team: A group of people who are responsible for designing, coding, and testing the website, including the front-end user interface, the back-end data and logic, and the integration with other systems and services.

Testing team: A group of people who are responsible for creating and executing the test cases, as well as identifying and reporting any defects or issues in the website.

Training team: A group of people who are responsible for providing training and support to the users of the website, including creating and delivering training materials, as well as providing ongoing support and assistance.

11. RESPONSIBILITIES

	TM	PM	Dev Team	Test Team	Client
Acceptance test Documentation & Execution	X	X		X	X
System/Integration test Documentation & Exec.	X		X	X	
Unit test documentation & execution	X		X	X	
System Design Reviews	X	X	X	X	X
Detail Design Reviews	X	X	X	X	
Test procedures and rules	X	X	X	X	
Screen & Report prototype reviews			X	X	X
Change Control and regression testing	X	X	X	X	X

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. The persons required for each process are detailed in the project timeline and plan as well. Coordination of the personnel required for each task, test team, development team, management and customer will be handled by the project manager in conjunction with the development and test team leaders. Schedule must be done using any PM tool.

The gantt Chart of the work flow is shown below:

Task Name	1 April, 2023							8 April, 2023							15 April, 2023						
	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
Documation																					
Design																					
Test Plan																					
Unit Testing																					
Integration Testing																					
System Testing																					
Acceptance Testing																					
Project Completion																					

Task Name	15 April, 2023							22 April, 2023							29 April, 2023						
	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W 32	T	F	S
Documation																					
Design																					
Test Plan																					
Unit Testing																					
Integration Testing																					
System Testing																					
Acceptance Testing																					
Project Completion																					
Feedback																					

13. PLANNING RISKS AND CONTINGENCIES

Risks and contingencies are potential problems or challenges that may arise during the development and testing of a on demand security system service website. Planning for these risks and contingencies is an important part of the project management process, as it can help to mitigate or avoid the risks, and to ensure a successful and smooth development and deployment of the website.

Here are risks and contingencies that may be considered in the planning process for a on demand security system service website:

Technical risks: These risks may include issues with the website technology or architecture, such as compatibility problems with the operating system or hardware, performance bottlenecks, or security vulnerabilities.

Regulatory risks: These risks may include compliance issues with industry standards or regulations, such as data privacy, data security, and anti-money laundering laws.
Market risks: These risks may include changes in the market conditions or the competitive landscape, such as new competitors, changes in consumer behavior or preferences, or shifts in the regulatory environment.

Resource risks: These risks may include constraints or shortages of resources, such as budget, personnel, or time, that may impact the development and testing of the website.

14. APROVALS

Team Leader	MD. JAHID HASSAN
Tester	MUSHFIQUR RAHMAN
Test Manager	MUSHFIQUR RAHMAN
Project analyst	MD. JAHID HASSAN
Team Manager	MD. FUAD HASAN SHUVO