

# **TEST PLAN**

## **For**

### **Project : TAKA**



**Prepared By :**

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*Prior authorization is required to share the document with outside team personnel.*

## Version History :

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Ver. No.	Date	Amendment	Prepared By	Approved By
1.0.0	2023/09/01	Initial version, Scope of work is updated, Release plan is update	Arifur Rahman Jawad	Enisha Ashrefa
1.0.1	2023/09/08	Scope of work and QA Scope of work file is update	Nahian Kamal Pritom	Enisha Ashrefa
1.0.2	2023/09/15	Scope of work and QA Scope of work file is update	Arifur Rahman Jawad	Enisha Ashrefa
1.0.3	2023/09/22	Scope of work and QA Scope of work file is update	Nahian Kamal Pritom	Enisha Ashrefa

## Abbreviation List :

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<b>MFS</b>	Mobile Financial Services
<b>GUI</b>	Graphical User Interface
<b>PC</b>	Personal Computer
<b>TBD</b>	To be defined
<b>OS</b>	Operating System

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## Introduction

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The “Taka” MFS app is a user-friendly and secure platform that enables individuals to conveniently manage their finances, including fund transfers, bill payments, and account management, directly from their mobile devices. With a focus on accessibility and financial inclusion, the app revolutionizes traditional banking by providing a seamless and convenient experience for users.

Our goal is to make sure all the major functionalities provided in the project to be tested efficiently and deliver reports to update as required.

Here’s a project overview for better understanding.

<b>Customer Name</b>	XYZ	<b>PM Name</b>	Enisha Ashrefa
<b>Project Code</b>	A-3898	<b>Project Name</b>	Taka
<b>Start Date</b>	Sep 1, 2023	<b>Planned End Date</b>	Oct 16, 2023
<b>Team Size</b>	1 PM, 3 Programmers, 1 QA member.	<b>Domain &amp; Technology</b>	C#
<b>Project Size</b>	NA	<b>Project Duration</b>	1.5 months

By the above table, we get the idea of technology, manpower and time limitation of the project.

Now here's a project summary for individual features of the project.

## Summary

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Sr.	Feature	Phase	Description	Status	Latest Action	Next Plan
1	Registration	R&D	Sign up and Login Mechanism.	On Schedule	Development planned and got approval.	Prepare installer
2	Cash in	Development	Cash in to registered users.	On Schedule	Development planned and got approval.	Prepare installer
3	Cash out	Development	Cash out from registered users to Vendor.	On Schedule	Development planned and got approval.	Prepare installer
4	Pay Bill	Development	Registered users can pay utility Bills.	On Schedule	Development planned and got approval.	Prepare installer
5	Mobile Recharge	Development	Registered users can recharge their Mobile Phone.	On Schedule	Development planned and got approval.	Prepare installer
6	Send Money	Development	Registered users can send money to another Registered users and Vendors.	On Schedule	Development planned and got approval.	Prepare installer

## Reference

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The following documents are used as sources of information for this test plan:

Ref. No	Document Title
1.0	Client Provided Figma Forms <a href="https://www.figma.com/xxxxxxx">https://www.figma.com/xxxxxxx</a>
2.0	Existing system <a href="https://taka.app">https://taka.app</a>
3.0	Project Management files <a href="http://redmine.bjit.com/redmine/documents/taka">http://redmine.bjit.com/redmine/documents/taka</a>
4.0	Project Plan <a href="https://doc.google.com/projectplan_taka.doc">https://doc.google.com/projectplan_taka.doc</a>

## Test Objective

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Our goals are to check this product for feature implementation, issue fixing, and further maintenance work. We define the following test objectives:

- ◆ Ensure the functionality of the application works as expected of Requirement
- ◆ Prevent defects and ensure issue fixing.
- ◆ Make sure that the result meets the requirements.
- ◆ Gain the confidence of the customers by providing them a quality product.
- ◆ Ensure that it satisfies the Requirement Specification.
- ◆ Gaining confidence in and providing information about the level of quality.

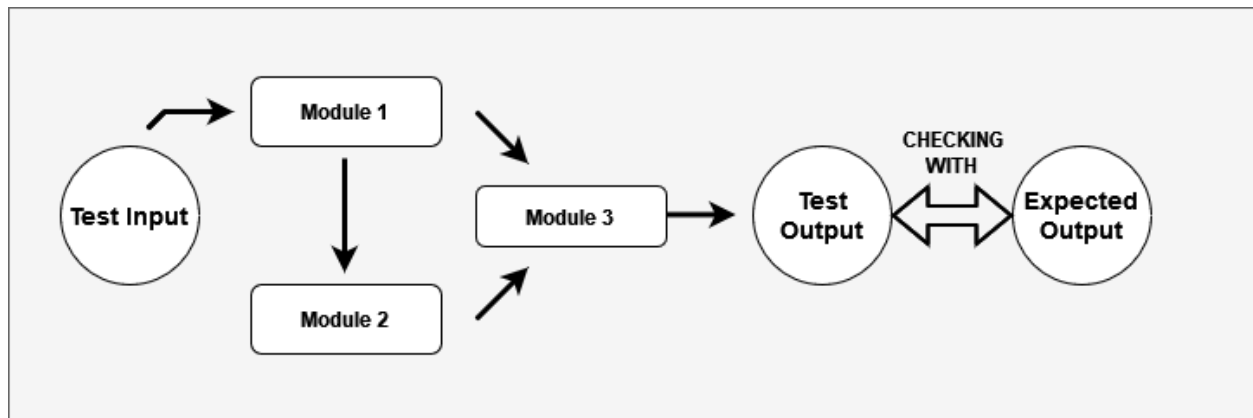
## Test Strategy

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### ♦ Strategy

To ensure the quality of the applications of **Taka** project, testing will be conducted based on following approaches:

- ♦ **UI/UX Testing Strategies:** UI /UX Testing is conducted first after getting the application in the QA team to ensure Application UI is matching with client requirements and they can use as expected.
- ♦ **Pixel Perfection:** We will use browser's Developer Tools to ensure the Pixel perfection to compare with Figma design.
- ♦ **Functional Testing Strategies:** Function testing is conducted after preparing test cases for each functional point.
- ♦ **Integration Testing Strategy:** By this test level, we will check interfaces and the interactions between integrated components within the **Taka** scope developed by Our company.



- o The Figma forms of integration test can be available in the following path.

<https://www.figma.com/file/xxxxxxx>



- ♦ **Retest Strategies:** After performing functional testing, there may be some issues. After fixing this issue, Application will be retested to confirm fixing issues.
- ♦ **Regression Testing:** After any new inclusion, Regression Testing will be carried out on previous functionalities.

## Features to be Tested

Phase	Features/Modules
01	Partial UI/UX for Homepage, New Reservation Page, Login Page, Cash in, Cash out, Mobile recharge, Send money
02	API integration [Homepage], with all the other modules [New Reservation Page, Login Page, Cash in, Cash out, Mobile recharge, Send money].
03	Testing all the major functionalities of Reservation Page, Login Page, Cash in, Cash out, Mobile recharge, Send money
<b>Note:</b> Test plan and execution may vary depending on the development progress and release.	

## Features not to be Tested

Phase	Features
01	<b>Full Integration Testing:</b>  Full Integration testing will not be performed by BJIT.  <b>Full Regression Testing:</b>  After issue fixing, full regression test requires much time and

	required more resources, so we may not cover the full regression test.
Management & Maintenance	TBD (Need client decision)

## Test Suspension Criteria

Testing will be suspended, and QA team will reject the receivables upon the following criteria:

- ◆ During testing if “blocker” is identified.
- ◆ Respective bug is not fixed in dedicated release
- ◆ Release without release note

## Test Acceptance Criteria

QA team will accept the test and deliver the deliverables upon the following criteria:

- ◆ Application UI should match Figma UI Specification:
- ◆ Application does not have any blocking issues.
- ◆ Applications have 85% Test case coverage.
- ◆ Applications have covered supported required technology (Java OS, Android OS, iOS).

## Test Environment

To prepare the test bed for **Taka** project followings are the requirement:

### 1) Hardware Requirement:

- ◆ PC (Widows, MAC)
- ◆ iPhone (Emulator)
- ◆ Android Phone(Emulator)

- ◆ Java Phone (Emulator)

## 2) Software Requirement:

- ◆ **Operating System:** Windows 10, MacOS
- ◆ Microsoft Office
- ◆ Android Studio
- ◆ Swift

## 3) Network Requirement:

- ◆ Internet connectivity to Laptop.

## 4) Tools to be used:

- ◆ **Test Case management:** Microsoft Excel/Google Drive
- ◆ **Document management:** Alfresco/Google Drive
- ◆ **Project management:** Redmine
- ◆ **Design Tool:** Figma
- ◆ **UI/Pixel Perfections Test Tool:** Browsers' Development Tolls.

**Device oriented testing will be conducted as per following plan:**

Platform	Browser/OS	Device	Screen resolution	Comments
Windows 10	Chrome	PC	1440 x 1100	
MAC	Safari		1440 x 1100	
	Chrome			
Android OS	Taka App	Android Phone (Emulator)	768 x 1024	
iOS	Taka App	iPhone (Emulator)	768 x 1024	

## Schedule

[Schedule will be updated as Phase feature release]

Phase	Feature Name	Req. Analysis	No of Test Items	Test Case Design	Internal QA Release	Final Release
01	Partial UI/UX for Homepage, New Reservation Page,Login Page,Cash in, Cash out, Mobile recharge, Send money		7	170	2023-08-28	
02	API integration [Homepage], with all the other modules [New Reservation Page,Login Page,Cash in, Cash out, Mobile recharge, Send money].		1	60	2024-09-05	
03	Testing all the major functionalities of Reservation Page,Login Page,Cash in, Cash out, Mobile recharge, Send money		10	110	2023-05-13	

### Test Execution process per Phase

## QA Summary Report

Phase	URL
1 <sup>st</sup> Release (V-1.10)	<a href="http://redmine.com/redmine/issues/000000">http://redmine.com/redmine/issues/000000</a>
2 <sup>nd</sup> Release (V-1.20)	<a href="http://redmine.com/redmine/issues/000000">http://redmine.com/redmine/issues/000000</a>
3 <sup>rd</sup> Release (V-1.30)	<a href="http://redmine.com/redmine/issues/000000">http://redmine.com/redmine/issues/000000</a>

## Roles and Responsibilities

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Resource Name	Roles and Responsibilities
Bruno Messi	General Manager
John Obama	Project Manager
Rihanna Fey	Business Analyst
Abraham	Design Architect
Perry	Software Engineer
Viera	
Hasan Tanvir	
Arifur Rahman Jawad	QA
Nahian Kamal Pritom	

## Risk and Contingencies

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### Schedule:

- ◆ If SRS are not Cleared as per schedule, then we may not be able to meet the Testing deadline.
- ◆ If Releases for Testing are not provided as per schedule, then we may not be able to meet the deadline.
- ◆ Any changes to the requirements could affect the test schedule.

### Testing:

- ◆ Applications may have side effects due to implementation of new features and function enhancement and this may affect the functionality of existing features due to lack of proper testing time.

### **Application Risk:**

- ◆ Applications may behave abnormally, and major functions may not work in non-supported devices/interfaces. Application may also not work expectedly in latest browsers for which application is not modified and tested.

## **Test Exit Criteria**

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Testing process of the **Taka** application will end if following criteria are met:

- ◆ All specified functions are functioning properly.
- ◆ Major bugs are identified, resolved and retested.
- ◆ All test cases are executed and passed.
- ◆ During Test Phase if PM request to release the system.

## **Test Deliverables**

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Followings are the deliverables from QA for **Taka** project:

### **Test Deliverables before Testing**

- ◆ Test Plan
- ◆ Test Cases

### **Test Deliverables after Testing**

- ◆ Test execution report

*Note: Known issues need to be well mentioned in each Phase release note.*