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# XYZ Bank Test Plan

***Prepared By:***

**Pratik Shingote**

**Version: 1.0**

**Date: 31.05.2022**

## Document History

Version No.	Date	Description	Prepared By	Reviewed By
1.0	31.05.2022	Creation of Test Plan	<b>Pratik Shingote</b>	<b>Syed Asif</b>

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# 1 Introduction

## 1.1 Description

The document is a test plan for the XYZ Bank, produced by Quality Assurance. It describes the testing strategy and the approach to testing QA will use to validate the quality of this product prior to release. It also contains various resources required for the successful completion of this project.

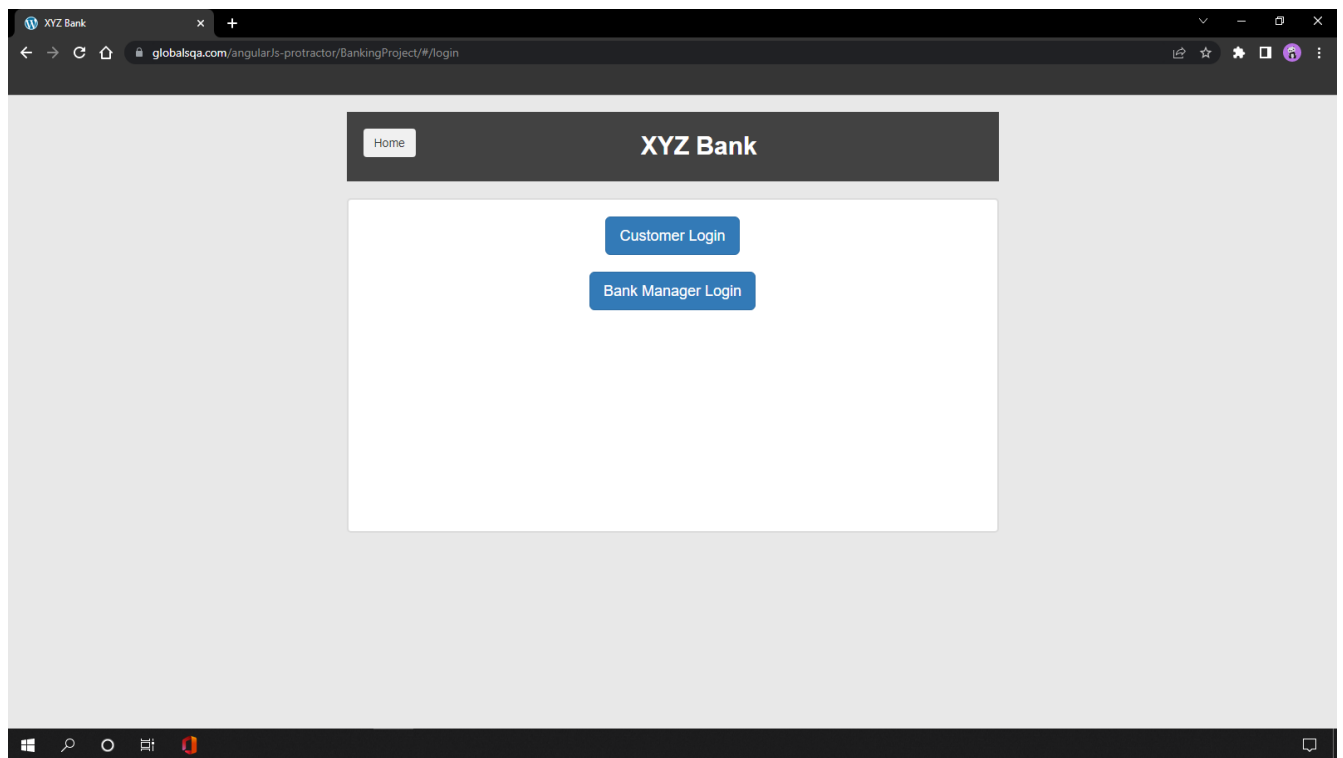
## 1.2 List of Features

- Home Button
- Customer Login
- Bank Manager Login

## 1.3 Related Documents

The following documents have been referred for the preparation of the Test Plan:

- 1) Software Requirement Specifications
- 2) Functional Spec document
- 3) Screen Shots



## 2 Objectives and Tasks

### 2.1 Objectives

The testing is carried on with an objective to bring the best out of the application in terms of requirement matching, quality, functional stability and usability. The ultimate objective is to achieve customer satisfaction on the application.

### 2.2 Tasks

To achieve the objectives defined, the following tasks including the types of testing would be performed onsite/offshore:

- a) Functional and Integration Testing

## 3 Scope of Testing

The testing performed would cater to the functional requirements specified by the Client and as defined in the Requirements document and would be limited to the application being developed by XYZ Bank.

## 4 Testing Process

The following are the activities that are carried out at XYZ Bank as part of Testing:

1. Test Planning
2. Test Execution
3. Test Closure

In the Test Planning phase, the activities carried out will include:

1. Understanding the Client Requirement (includes seeking clarification)
2. Preparation of Test Conditions
3. Review and Approval of Test Conditions
4. Preparation of Test Scripts
5. Review and Approval of Test Scripts
6. Preparation of Test Data
7. Review and Approval of Test Data

In the Test Execution phase, the activities carried out will include:

1. Setting up the Test Environment
2. Defect Reporting and Tracking defects to closure
3. Regression Testing

In the Test Closure phase, the activities carried out will include:

1. Preparation of Final Summary Report
2. Final Test Deliverables

## 5 Test Strategy

### 5.1 Functional and Integration Testing

Documents Required from the Development Team -

1. Software Requirement Specification (SRS)

#### **Entry Criteria for Functional and Integration Testing:**

1. Approved set of Functional Test Conditions and Test Scripts
2. Availability of Test Environment

#### **Exit Criteria for Functional and Integration Testing:**

1. Complete execution of all the functional and integration level test scripts
2. Closure of all the defects raised during Functional and Integration Testing

## 6 System Requirements

### 6.1 Hardware Requirements

- RAM – 4GB
- OS – Windows, Mac

### 6.2 Software Requirements

- Angular JS
- Oracle
- JDK 1.8.0 or Above

## 7 Features to be Tested

- Test for the functional and GUI requirements specified in the SRS.
- Test for the changes that add new functionality or significantly modify existing functionality for the expected result. Also test for the side effects in the related parts for any unexpected behavior.

## 8 Features not to be Tested

- Features available in the Production Server
- Performance and security

## 9 Roles and Responsibilities

Role	Responsibility
QA Engineer <b>Pratik Shingote</b>	<ul style="list-style-type: none"><li><input type="checkbox"/> Understanding the Application</li><li><input type="checkbox"/> Preparation of Test Ware Documents</li><li><input type="checkbox"/> Execution of Test Scripts</li><li><input type="checkbox"/> Defect Logging</li></ul>

## 10 Activity and Dependencies

Activity	Dependencies	Role
Understanding the application	Receipt of Requirement Document, Access to Existing Application, Receipt of Internal Technical Documents	QA Engineer,
Preparation of Test Conditions	Receipt of Technical Documents and completion of understanding	QA Engineer
Preparation of Test Scripts	Receipt of Technical Documents and completion of Test Conditions	QA Engineer
Execute the Test Cases	Completion of Test Conditions and Test Scripts	QA Engineer

## 11 Risks and Mitigation

Risk	Mitigation
Human Resource	Back up Resources will be maintained and trained to take up the job done by the main resource, in case of their absence
Skill	The resources belonging to the project are duly trained for the skills required to carry on the project effectively
Software Availability	The software that are required to perform testing will be identified and purchased (if required) well in advance
Hardware Availability	The hardware that is required to perform testing will be Identified and purchased (if required) well in advance. Back up servers in case of failures, will be in place
Environment Availability	The environment required to perform testing will be identified and set up on time

## 12 Tools

The following are the list of tools that will be used for the purpose of testing the XYZ Bank application:

- Functional Tool – **Selenium WebDriver 4.2.1**
- Defect Tracking – In-house Defect Tracking Tool

## 13 Approval

- The documents prepared by the QA Engineer **Pratik** will be duly reviewed and approved by the Trainer **Mr. Syed Asif**.