



EAST WEST UNIVERSITY

Course Code : CSE435
Section : 02

Test Planning

For

Bank Management System

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Test Plan Identifier

TPI-001

In this project we have decided to identify each feature with unique and different names.

Name	Test ID
Sign Up	UT-101.01
Sign In	IT-101.01
Create Employee ID	CT-101.01
Remove Employee	RT-101.01
Update Profile	PT-101.01
Create Customer ID	AT-101.01
Remove Customer	ET-101.01
Deposit	DT-101.01
Transfer	TT-101.01
Withdraw	WT-101.01

Introduction

The project is titled as Bank Management System. The project is created for the bank managers and employees. Here we will be testing the features of the software. The goal is to test the features of the software to determine the efficiency, correctness, and effectiveness.

Test Item

Here we will mainly focus testing plans and procedures on the requirement specification of the system. As it gives the functionalities of the software. But we will not conduct testing procedures on design specification, database, and security of the software. As it is our first time testing the software we are identifying the test version 1.0.

Features to be Tested

1. Sign Up
2. Sign In
3. Create Employee ID
4. Remove Employee ID
5. Update Profile
6. Create Customer ID
7. Remove Customer ID
8. Transfer
9. Deposit
10. Withdraw

Features not to be Tested

1. Database Connect ability
2. Security

Approach

Testing Methods

We will use black box testing method to test our software. We will design test cases for the software features. Then we will manually test them.

Testing tools

We will not be using any testing tools as we are manually testing the software features.

Item Pass/Fail Criteria

1. For Sign In/Sign Up, proper information of username, password, email, address etc must be given in order to pass, invalid information will result in failing.
2. The passing criterias for creating employee ID are: the ID must be created from a manager profile and the name, password, email etc must follow proper format. Invalid information and keeping empty fields will result in failing.
3. To remove employee ID, the operation must be conducted from a manager profile and fill the next steps. Not following the steps will result in failing.
4. To create and remove customer ID the passing criterias are: it can be from a manager or employee profile, account number, name, password, signature etc must be in a valid format. Invalid information will result in failing.
5. To transfer/deposit/withdraw the passing criterias are: it must be from a manager or employee account and account number, signature, credit value / transfer amount/ withdrawal amount etc must be valid. Invalid information will result in failing.

Test Deliverables:

- Report on Test Planning
- Report on Test Design
- Report on Execution
- Evaluation of the result
- Summary

Responsibilities:

All the plans and strategies are made by us. We are working together as a unit to complete the project.

Schedule:

Test Design and Planning Day 0				
	Sign-Up, Sign- In Day 1 - 4			
		Creating Customer/Employee ID, Removing Customer/Employee ID and Update Profile Day 5-10		
			Deposit, Transfer, Withdraw Day 11-14	
				Reviewing All the Completed Tasks Day 15-16

Planning Risks and Contingencies:

We have created a schedule for all the procedures and tasks. But in any case, if we fail to meet the schedule, then it will be a major planning risk as we will be falling behind schedule. For this there are some contingency plans.

- We can decrease the number of test cases and keep the important ones. This way, we can keep up with the schedule but the testing will not be to the point accurate as some of the test cases will be untested.
- We can extend the schedule. This way all the test cases will be tested but the whole project will be delayed due to the extension of time.