**Testing Document and Specification**

Test Plan

Commerce Bank Web Application

CS 451 Group 9, Spring 2020

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# **Introduction**

This document outlines the test plan for the Commerce Bank Web Application. This application is to provide Commerce Bank users to view and track their transactions with a personal alert system. The testing activities discussed in this document will verify that the software for the Question and Answer system meets the needs of the customer by verifying that the requirements for this system, as outlined in the Requirements Document, are met.

The testing routine will test the transactions page, dashboard page, and settings page. Inside the transactions page, sorting and export spreadsheet features will be tested. For the dashboard page, “read” button will be tested. For the settings page, the “changed” button and setting up alert will be tested. The results of this testing procedure will enable the creators of this system to measure project success as outlined in the Project Plan

# **Terminology**

Throughout this document the terms user, account/password, website, system will be used frequently therefore, formal definitions will be given.

User- people affiliated with UMKC (students, faculty, and staff with SSO username and password) who will exclusively use only the front-end of the website

Website- the front-end website (main page)

Username/Password- unique identifiers that authenticate and validates a user

System- the database and bulletin board that supports the backend of the website

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# **Items Tested**

Items that will be tested during the testing phase as laid out by the Macro Project Plan will be but are not limited to:

* Ability for an individual to sort transactions by date

Test Case: 1.1.1.1

* Ability to set up and remove alert

Test Case: 1.1.1.2,1.1.1.7,1.1.1.8

* Ability for a user to change contact information

Test Case:1.1.1.3

* Ability for user to export spreadsheet of transactions

Test Case: 1.1.1.14

* Ability for user to log in to the system

Test Case: 1.1.1.5

* Ability for user to add transaction

Test Case: 1.1.1.6

# **Items Not Tested**

There are features that will not be included in the current testing procedure. This does not mean that these features will not be implemented, but that they have not been implemented and are not available for testing. Those features include but are not limited to:

* Security Testing
* Load Testing
* Searching keyword

# **Approach**

All features that are in the requirements document must be tested. Example features that are in the requirements document are sorting by date as default on transactions page will be tested For the dashboard page, “read” button will be tested. For the settings page, the “changed” button and setting up alert will be tested.

The features on the setting page - adding and removing alerts will be tested together but in separate test cases as their own test cases.

Manual system testing will continue throughout the rest of iteration 5. No more new features will be added to the system. There will be only maintaining and fixing the system.

# **Item Pass/Fail Criteria**

The minimum requirements for this software system were documented in the Requirements document and the Project Plan. The Project Plan defines what project success should look like.

Implemented features that meet the requirements that sponsor and customer want, meaning that the system does exactly what the user expects it to do, passes the testing procedure

Features that contain major defects will fail the testing procedure and will be documented via an incident report and turned over to the developer to fix.

# **Test Deliverables**

Test deliverables include the Test Plan, Test Specifications which documents each test case that shall be tested accordingly, and Test Report which documents each incident/defect that has occurred in the process of carrying out a test case.

# **Testing Tasks**

The following list the testing deliverables and the activities required to produce the deliverable.

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| **Deliverables** | **Activities** |
| **Test Plan** | * Analyze Requirements for System Features * Determine Task and Estimate Efforts * Develop Schedule for Testing |
| **Test Specifications** | * Test required features * Define Test Cases for Testable Features as Outlined by the Test Plan |
| **Test reports** | * Implement Test Cases as Outlined by the Test Specifications * Document Incidents and Defects * Determine Changes that Need to be Made to System * Document and Submit Change Request to Developer |