**Testing Document and Specification**

Test Plan

**My Personal Commerce Account Banking Application**

**CS 451, 2020**

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# Introduction

This document outlines the test plan for the Commerce Bank Application. Our goal is to provide a web application users access to their personal bank account. Manage their transaction, track their transaction history. The test routine will encompass the requirements outlined for us by Commerce Bank.

# Terminology

Throughout this document the terms user, system, and site will be used, as the following:

System- the database and Django project

User- Commerce Bank Customers

Site- The front-end web application, https://commerce.umkc.scottah.com/

Username/Password- unique identifiers that authenticate and validate a user’s credentials

# 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 a user to sign up for a new account

Test Case: 1.1.1.1

* Ability for a user to update their profile (User Profile)

Test Case 1.1.1.2

* Ability for users to manipulate their alert business rules

Test Case:1.1.1.3

* Ability for a user to navigate through their transactions

Test Case: 1.1.1.4

# 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 in the future, but that they have not been implemented currently and are not available for testing. Those features include but are not limited to:

* Querying the database
* Exporting alert and transaction data

# Approach

We will be using a manual system testing. Therefore, these items tested will confirm whether we met Commerce Bank’s requirements or not. Test cases that include similar feature methods will be tested together.

# Item Pass/Fail Criteria

The minimum requirements for this software system were laid out in the Requirements Document and the Macro Project Plan outlined what the creators of the software considered project success.

Implemented features that meet the requirements are outlined by Commerce Bank in an intuitive way, meaning the web application features do what the user wants it to do with very little difficulty and passes the testing procedure. Difficulty, as used here, is determined by user comprehension and user ability to use the feature with little to no training.

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

**Test Deliverables**

In addition to the Test Plan, other test deliverables include the Test Specification. Our test specification outlines the specific test cases. The test report outlines incidents that are found during the testing procedure. Action will be taken in order to correct them.

# Testing Tasks

The following lists 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 Testable/Non-Testable Features * Develop Approach/Method for testing |
| **Test Specifications** | * Analyze Requirements * 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 Severity of Incidents and Defects * Determine Changes that Need to be Made to System * Document and Submit Change Request to Developer |