**Banking System**

*Test Plan*

Revision History

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| --- | --- | --- | --- |
| **Date** | **Revision** | **Description** | **Author** |
| 05/05/2025 | 1.00 | Initial Version | Jaishnoor Kaur |
| 05/06/2025 | 1.01 | Revision: Details on objectives | Jaishnoor Kaur |
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1. **Introduction**

* 1. **System:**

CS 401 Group 6 Banking System

* 1. **Objective:**

To validate the functionality of the individual components of Group 6’s Banking System as well as their interactions, as defined in Sections 2 and 3 of this document.

1. **Test Scope**
   1. **The following components were “In Scope” for testing:** 
      1. ATM Class
      2. Teller Class
      3. BankAccount Class
      4. CustomerAccount Class
      5. Message Class
      6. Client- Server
   2. **The following components were “Out of Scope” for testing**
      1. ATM GUI
      2. Teller GUI
      3. Savings Accounts Monthly Interest Addition
      4. ATM Daily Refilling
2. **Test Objectives**
   1. **ATM Class:** Validate constructor, ID setup for ATM, getter for ID, updating current ATM reserves
   2. **Teller Class:** Validate constructor, login, logout
   3. **BankAccountClass:** Validate constructor, getters. switchAccess, deposit, withdraw, and save
   4. **CustomerAccount Class:** Validate constructor, getters, setters, validatePassword
   5. **Message Class:** Validate constructor, getters, setters, ID incrementation
3. **Testing Approach**
   1. **Type/ Method:**

**4.1.1** Unit testing with Junit

**4.1.2.** Blackbox testing via GUI (not included in this document)

* 1. **Test data source:**

Mock data, located in the following folders:

* + 1. data/bankAccounts/
    2. data/customerAccounts/
    3. data/tellerFiles/
    4. data/otherFiles/