**Bank System Software**

Software Design Specification

**Group 6**

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Revision History

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| --- | --- | --- | --- |
| **Date** | **Revision** | **Description** | **Author** |
| 2/21/2022 | 1.0 | Initial Version | Juan Gomez, SkonePanyatrir, Daniel Lara, John Parker Wilson, Davinder |
| 4/3/2022 | 1.1 | Added requirements to ATM | Juan Gomez |
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**1. Introduction**

**1.1 Goals and Objectives**

**1.2 Statement of Scope**

**1.3 Software Context**

**1.4 Major Constraints**

**2. Data Design**

**2.1 ATM Side**

**2.2 Sever Side**

* Method **clientInputHandler** will listen for triggers from clients in order to access data of customers or employees associated with client originator.
* For employee, this method will initialize the filename **“employee\_id.txt”** and call on **loadFile** to open the file.
  + It will then call on **chk\_emp\_id** to authenticate username and password
  + The method will listen for employees request to access customer data
    - **get\_cust\_info** will be call on to relay back customer’s data to employees
  + The method will listen for employee request to save data and call on **saveFile**.
  + The method will also listen for authentication request from employees for approval of transaction over $10000 and call on **chk\_auth\_level** to confirm proper level of authorization.
* For ATM, this method will initialize the filename **“customer.txt”** and call on **loadFile** to open the file.
  + It will call on **chk\_atm\_auth** to authenticate user account to pin
  + **get\_cust\_info** will be call on to provide ATM with customer’s data
  + **saveFile** will be called upon the completion of ATM transaction

**2.3 Client Side**

**2.4 Internal/Employee side**