

1. **Introduction**
 This document is a technical specification for a software system. It describes the system's architecture, components, and interfaces. The system is designed to provide a secure and reliable environment for data storage and retrieval.

2. **System Architecture**
 The system is composed of several modules, each responsible for a specific function. The modules are interconnected and communicate with each other through a central data bus.

3. **Components**
 The system consists of the following components:

- **Database Layer**: Responsible for storing and retrieving data. It uses a relational database management system (RDBMS) to manage the data.

- **Application Layer**: Contains the business logic and rules of the system. It interacts with the database layer and the user interface.

- **User Interface Layer**: Provides a graphical user interface (GUI) for the system. It allows users to interact with the system and perform various tasks.

4. **Interfaces**
 The system defines the following interfaces:

- **Database Interface**: Defines the methods for querying and updating data in the database.

- **Application Interface**: Defines the methods for performing business operations.

- **User Interface**: Defines the visual elements and interactions of the GUI.

5. **Implementation Details**
 The system is implemented using the following technologies:

- **Database**: MySQL 5.7.

- **Application**: Java 8.

- **User Interface**: Java Swing.