

ChocAn Simulator

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Software Functionality

- Java, specifically in Java JDK version 11.0.15.1, and use MySQL Community Server version 8.0.31.

- Manager Functionality:
 - ◆ Managers will be able to access a manager menu on the main terminal. The manager menu gives them access to run various reports: Weekly Report, Individual Member Report, and Individual Provider Report.

- Provider Functionality:
 - ◆ Provider will be able to access a provider menu from the main terminal. The provider menu gives providers access to view a service directory, validate members, and bill a member.



System Testing

For this program, we implemented a total of 23 tests to ensure that the software ran as per the documented requirements. Out of these, there were:

- 13 tests for the myJdbc (database) class
- 4 tests for the Terminal class
- 4 tests the for File_Manage Class
- 2 additional system-oriented tests included for added verification.

A test was performed for each of the methods involved in core functionality to ensure the function properly performed its intended task. Once a function passed its associated test, the function was considered operational.



Known Bugs/Defects

- As of right now, there is no executable for the software, making an IDE essential for running the software.
- Our software does not use any encryption, making private data vulnerable
- The database password is hardcoded in the code allowing login, this opens our database to vulnerabilities.
- Software currently does not require a password for a manager to login to managers terminal.
- Log-on to Provider terminal from Manager terminal requires logout of system, and vice versa.



Thank You!