***Mock Bank (Project 0)***

**Minimum user stories:**

- register for a new user account (must be secured with a password)

- login with existing user account credentials

- deposit money

- withdraw money

- view balance

**Minimum code requirements:**

- Data will be sourced from a relational database

- All database tables will be in compliance with the 3rd Normal Form

* Source code files will be organized into an appropriate package structure
* All class, method, and variable names will adhere to naming convention
* The single responsibility principle will be applied to classes
* Implement the POJO and DAO design patterns
* All exceptions will be properly handled
* Use a testing framework to write unit tests for all service layer classes
* Code will be managed and stored on associate’s GitHub branch
* Must use all three JDBC statement types within DAO layer

**Suggested extra functionality:**

- Extra user stories:

+ view transactions

+ create multiple accounts per user (checking, savings, etc.)

+ joint accounts

+ Transfer money between accounts

* Write unit tests for persistence and UI classes
* Use a logging framework to log messages to a file

**Due date (pushed to branch):** *Wednesday September 11, 2019 by 9:00 am*

|  |  |  |  |
| --- | --- | --- | --- |
| ***Requirement*** | ***Max Points*** | ***Score*** | ***Comment*** |
| Code is stored and managed on associate’s GitHub branch | 10 |  |  |
| Code is well organized in an appropriate package structure | 10 |  |  |
| Naming conventions are adhered to | 10 |  |  |
| POJO design pattern is properly implemented | 10 |  |  |
| DAO design pattern is properly implemented | 10 |  |  |
| All classes adhere to the single responsibility principle | 10 |  |  |
| All exceptions are handled properly | 20 |  |  |
| All three JDBC statement types are used | 25 |  |  |
| All database tables are normalized to 3rd Normal Form | 25 |  |  |
| Data is stored in a relational database | 50 |  |  |
| Minimum user stories completed | 50 |  |  |
| Presentation  (soft skills) | 50 |  |  |
| **TOTAL** | 280 |  |  |