**Programming Assignment 3 Rubric**

**Lab Report –** 15 pts (20 pts if not demoing)   
Demo **-** 5 pts  
Program **-** 80 pts  
Total- 100 pts

**Requirements:**

1. All requirements from programming assignment 2 must be met (up to -15)
2. Objects should have relationships with other classes/other objects (-10)
3. Does not follow open-closed principle (-5)
4. Add new bank user functionality
   1. Bank user cannot be added to the system (-10)
   2. Bank user can be added and is not on the updated csv (-5)
   3. Not able to create customer Savings account (-3)
   4. No option to create a Checking/Credit account (-2)
   5. Transaction with newly created user cannot be performed (-3)
   6. New user id number not incremented properly (-3)
5. Handle users that have the same first name or the same last name (-5)
6. Handle receiving an input file that does not have a standard order for the columns (-5)
7. Transaction reader
   1. Transaction reader is completely missing (-10)
   2. Reads the file but is unable to perform all actions (-5)
   3. Reads the file and performs actions but doesn’t notify user about failed transactions (-2)
8. Bank manager can generate a bank statement for a specific user
   1. Completely missing bank statement functionality (-10)
   2. Poor formatting (-2)
   3. Missing some user info (-2)
   4. Missing some transactions for a particular session (-5)
   5. Bank statement is not created in a separate file (-5)
   6. Bank statement cannot be created for a new user (-3)
   7. Bank statement is not generated for transaction action (-3)
9. Generate updated balance sheet and this must not overwrite the input file (-5)
10. Handle all exceptions appropriately
    1. No exception handling at all (-10)
11. Program must contain Javadoc comments and source folder with all .html Javadoc files
    1. Javadoc not created (-10)
    2. Contains Javadoc comments but no generated doc file (-5)
12. Demo with a partner (-5)
13. Did not use any design pattern or incorrect usage of the pattern (-3 to -5)
14. **Only if you turn in late.** 
    1. Submission is up to 24 hours late (-15)
    2. Did not explain why it was late in the lab report (-5)