## SE 452 Assignment 3: Webification of Account

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| **Class name** | **Purpose** |
| CommandConnection | A class that has some static methods for making connection, mapping, and checking for user id. These methods are accessible for all classes to share the same code |
| CreateAccountServlet | To insert a new account into userAccount table. The class extends HttpServelet to implement doGet and doPost methods |
| WithdrawServlet | To subtract amount from balance. The class extends HttpServelet to implement doGet and doPost methods |
| DepositServlet | To add amount to the balance. The class extends HttpServelet to implement doGet and doPost methods |
| DeleteServlet | To delete an account from database. The class extends HttpServelet to implement doGet and doPost methods |
| BankAccount | It is used for mapping to make withdraw and deposit by using object. |
| AccountNotFoundException | It extends Exception. It is used for handling the exception when the user account is not found |
| InsufficientFundsException | It extends Exception. It is used for handling the exception when the balance is less than the withdrawn amount |

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| File | purpose |
| index.html | The default page and starting point |
| createAccountForm.html | To design the form for entering user data such as user name and balance |
| deleteForm.html | To design the form for entering user account number that will be deleted |
| TransactionForm.jsp | To design the form that will be used for withdraw and deposit. n is a variable that used for different action calls. If n = 1, the action is to withdraw. Otherwise, the action is for deposit |
| ShowAll.jsp | To view all records in the database. |

Note:

1. I assume that database banktransaction is created before the program starts running. Thus, I create it using mysql command line
   1. mysql> create database banktransaction;
2. I have sql folder that contains create\_db.sql file that has this statement and statement for use database, create table and insert a record.