DPS Project Requirements Specifications 2018

Bank System Stories

- 1. **(SEC) Create password** A password must have at least 1 alphanumeric, at least 1 special character, at least one lowercase character and at least one uppercase character with a minimum of 8 characters and a maximum of 20 characters series.
- 2. **2. Account owner** An account owner has Name (First Last), Account owner ID, password [First Last)

Create Account Owner

Account Owner ID	(created and controlled by the system)			
Name				
Password (maximum 6 charac	cters)			
Error Message	(hidden field unless there is an error)			
<u>Submit</u>	Clear [sep]			
attempts. A new password	and unlock - login is disabled after 2 failed login must be created via an unlock operation. At the 2 nd age - Two failed login attempts – contact bank for			
reset SEP Password Reset SEP SEP	mpted the error message – Contact bank for password Account Owner ID Unlock Password New Password			
Error Message	(hidden field unless there is an error)			
<u>Submit</u>	<u>Clear</u>			

1. **4. Create Account** - An account has an Account owner ID, unique account ID, an account type and a balance. The account types are checking and savings Need GUI to create an account

Create Account

Account ID (created an	nd controlled by the system)
Account Owner ID	Password
Account Type (In	nitially only Checking and Savings)
Opening Balance	
Error Message	(hidden field unless there is an error)
<u>Submit</u>	<u>Clear</u>
1. 5. Deposit - An acc GUI for a deposit	count owner may deposit money into their accounts [5] Need
	Deposit
Deposit ID (created and	controlled by the system)
Account Owner ID	Password
Account ID	
Deposit Amount	_
Error Message	(hidden field unless there is an error)
<u>Submit</u>	<u>Clear</u>
	Withdraw
Withdrawal ID (created	and controlled by the system)

Account Owner ID	Password
Account ID	
Withdrawal Amount	
Error Message	(hidden field unless there is an error)
<u>Submit</u>	<u>Clear</u>
to another of their accoun	ount owner may transfer money from one of their accounts onts [1]. The amount transferred must not be greater than the om which it is being transferred.
	Transfer
Transfer ID (created and o	controlled by the system)
Account Owner ID	Password
Transfer From Account ID	Transfer To Account ID
Transfer Amount	
Error Message	(hidden field unless there is an error)
<u>Submit</u>	<u>Clear</u>
	- all transactions must be saved and be able to be retrieved. Account owner ID, Account ID, Transaction date,

Transaction Type, Transaction ID, Transaction amount Transaction types – create

1. **9. List transactions** - an account owner needs to be able to list all transactions for

account owner, create account, deposit, withdrawal, transfer from, transfer to

their accounts Account Owner ID, First name, last name in the header of the list Account ID, transaction type, transaction ID, transaction date, transaction amount [5].

1. **10. Report balance** – Account owner may request the current balance for one of their accounts Need GUI – Balance result in the GUI

Report Balance

Balance Report ID (created	and controlled by the system)			
Account Owner ID P	Password			
Account ID				
Balance (entered b	y the system as output to the request)			
Error Message	(hidden field unless there is an error)			
<u>Submit</u>	<u>Clear</u>			
1. 11. List Transactions by Account Type – Account owner must be able to list transactions by selected account type, i.e., checking, savings, etc. [SEP] List in date order (see story 7) [SEP]				
Transaction List by Account	Туре			
Account Owner ID	Password			
Account Type				

1. **12. Check processing** – Checks may be drawn against a checking account. The check will contain the Account owner ID, account ID, date, check ID, amount. The balance in the account will be reduced by the check amount. There must be sufficient funds in the account to cover the check amount. The account type must be checking.

1. 13. GUI for check processing

- 1. **14. Bill payment** The account owner may pay a bill directly from any of the accounts. Need GUI for Bill Payment
- 2. **15. Statements** The Account owner may request statements on demand. The statement will display an opening and closing balance and all transactions completed from the start date to the end date.
- 1. **16. GUI** to request a statement.
- 1. **17. Search for transactions** The account owner must be able to list transaction(s) by any or all of transaction type, transaction date range, transaction amount.

Need GUI for Search Transactions.

18. List all account owners and their accounts

Owner ID Name Password

Account ID Account Type Balance

Account ID Account Type Balance

Owner ID Name Password

*** No Accounts ***

Owner ID Name Password

Account ID Account Type Balance

19. Account owner login and application menu- An account owner has to log in before any

transactions can be processed. Once logged in, all applications will be accessed via the menu buttons. When an application is closed, control returns to the login-menu screen. Closing the login screen logs the user out; or they can press the Log Out button.

All the applications will have the Account Owner ID entered into the Account Owner ID field

	Bank	k login and appl	ication menu			
Account Owner ID		Password	Log i	<u>n</u> (Button)	Log Out	
Name			(returned from login)			
Error Message			(hidden fie	eld unless the	ere is an error)	
		Appl	ication Menu			
Create Account	Deposit	Withdraw	Transfer	Report B	<u>salance</u>	
(These are all butto 20. List Transaction selected date range			owner must be	able to list t	ransactions by	
List in date order (s	ee story 7)					
Transa	ction List by l	Date Range				
Account Owner ID		Password				
Start Date		End Date				

21.	List	transaction	to	a	GUI
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Account Owner II)	Name			
Account ID	Type	Transaction ID	Date	Amount	

Bank System Acceptance Tests:

1.1 Given that we are creating a new Account Owner and the last Account Owner ID is O1002,

When we enter First Name John, Last name Smith, Password J\$1234,

Then the New Account Owner should be – Account Owner ID = O1003, First name = John, Last Name = Smith, Password = J\$1234

1.2 Given that we are creating a new Account Owner and the last Account Owner ID is O1002,

When we enter First Name John, Last name Smith, Password J\$12345,

Then we should get an error message = Password maximum 6 characters

1.3 Given that we are creating a new Account Owner and the last Account Owner ID is O1002,

When we enter First Name John, Last name Smith, Password J12345,

Then we should get an error message = Password must contain at least 1 non-alphanumeric character

1.4 Given that we are creating a new Account Owner and the last Account Owner ID is O1002,

When we enter First Name John, Last name Smith, Password J\$,

Then the New Account Owner should be – Account Owner ID = O1003, First name = John, Last Name = Smith, Password = J\$

1.5 Given that we are creating a new Account Owner and the last Account Owner ID is O1002,

When we enter First Name John, Last name Smith, Password \$#\$,

Then we should get an error message = Password must contain at least 1 alphanumeric character

1.6 Given that we are creating a new Account Owner and the last Account Owner ID is O1002,

When we enter First Name John, Last name Smith, Password J,

Then we should get an error message = Password minimum 2 characters

2.1 Given that Account Owner ID O1002 exists and the Password is P\$2222 and the last account ID for this owner is A1004 and we are creating a new checking account

When we enter Account Owner O1002, Password P\$2222, Account Type Checking and Balance 50.00

Then the new account should be - Account Owner ID = O1002, Account ID = A1005, Account Type = Checking, Balance = 50.00

2.2 Given that Account Owner ID O1002 does not exist and we are creating a new checking account

When we enter Account Owner O1002, Password P\$2222, Account Type Checking and Balance 50.00

Then we should get an error message = Invalid Account Owner ID

2.3 Given that Account Owner ID O1002 exists and the Password is P\$2222 and we are creating a new checking account

When we enter Account Owner O1002, Password P\$2223, Account Type Checking and Balance 50.00

Then we should get an error message = Invalid Password

2.4 Given that Account Owner ID O1002 exists and the Password is P\$2222 and the last account ID for this owner is A1004 and we are creating a new checking account

When we enter Account Owner O1002, Password P\$2222, Account Type Checking and Balance -50.00

Then we should get an error message = Balance cannot be negative.

2.5 Given that Account Owner ID O1002 exists and the Password is P\$2222 and the last account ID for this owner is A1004 and we are creating a new checking account

When we enter Account Owner O1002, Password P\$2222, Account Type Checking and Balance is empty

Then we should get an error message = Balance cannot be empty.

2.6 Given that Account Owner ID O1002 exists and the Password is P\$2222 and the last account ID for this owner is A1004 and we are creating a new checking account

When we enter Account Owner O1002, Password P\$2222, Account Type Checking and Balance is space(s)

Then we should get an error message = Balance cannot be blank.

2.7 Given that Account Owner ID O1002 exists and the Password is P\$2222 and the last account ID for this owner is A1004 and we are creating a new checking account

When we enter Account Owner O1002, Password P\$2222, Account Type Checking and Balance is 23w

Then we should get an error message = Balance must be numeric

2.8 Given that Account Owner ID O1002 exists and the Password is P\$2222 and the last account ID for this owner is A1004 and we are creating a new checking account

When we enter Account Owner O1002, Password P\$2222, Account Type Money Market and Balance is 50

Then we should get an error message = Account type invalid

2.9 Given that Account Owner ID O1002 exists and the Password is P\$2222 and the last account ID for this owner is A1004 and we are creating a new checking account

When we enter Account Owner O1002, Password P\$2222, Account Type Checking and Balance is 12.345

Then we should get an error message = Amount must be dollars and cents

3.1 Given that Account Owner ID O1002 exists and the Password is P\$2222 and account ID A1004 exists and the balance is 50.00 and we are making a deposit

When we enter Account Owner O1002, Password P\$2222, Account ID A1004 and deposit amount 100

Then the account should be – Account Owner ID = O1002, Account ID = A1004, Account Type = Checking, Balance = 150.00

3.2 Given that Account Owner ID O1002 exists and the Password is P\$2222 and account ID A1004 exists and the balance is 50 and we are making a deposit

When we enter Account Owner O1002, Password P\$2222, Account ID A1004 and deposit amount -100

Then we should get an error message = Deposit amount cannot be negative

3.3 Given that Account Owner ID O1002 exists and the Password is P\$2222 and account ID A1004 exists and the balance is 50 and we are making a deposit

When we enter Account Owner O1002, Password P\$2222, Account ID A1004 and deposit amount is blank

Then we should get an error message = Deposit amount cannot be spaces(s)

3.4 Given that Account Owner ID O1002 exists and the Password is P\$2222 and account ID A1004 exists and the balance is 50 and we are making a deposit

When we enter Account Owner O1002, Password P\$2222, Account ID A1004 and

deposit amount is empty

Then we should get an error message = Deposit amount cannot be empty

3.5 Given that Account Owner ID O1002 exists and the Password is P\$2222 and account ID A1004 exists and the balance is 50 and we are making a deposit

When we enter Account Owner O1002, Password P\$2222, Account ID A1004 and deposit amount is 0

Then we should get an error message = Deposit amount cannot be zero

3.6 Given that Account Owner ID O1002 exists and the Password is P\$2222 and account ID A1004 exists and the balance is 50 and we are making a deposit

When we enter Account Owner O1002, Password P\$2222, Account ID A1004 and deposit amount is 23w

Then we should get an error message = Deposit amount must be numeric

3.7 Given that Account Owner ID O1002 does not exist and we are making a deposit

When we enter Account Owner O1002, Password P\$2222, Account Type Checking and deposit amount 50

Then we should get an error message = Invalid Account Owner ID

3.8 Given that Account Owner ID O1002 exists and the Password is P\$2222 and we are making a deposit

When we enter Account Owner O1002, Password P\$2223, Account Type Checking and deposit amount 50.00

Then we should get an error message = Invalid Password

3.9 Given that Account Owner ID O1002 exists and the Password is P\$2222 and we are making a deposit

When we enter Account Owner O1002, Password P\$2223, Account Type Checking and deposit amount 1.234

Then we should get an error message = Amount must be dollars and cents

4.1 Given that Account Owner ID O1002 exists and the Password is P\$2222 and account ID A1004 exists and the balance is 50.00 and we are reporting a balance When we enter Account Owner O1002, Password P\$2222, Account ID A1004 Then the Balance should contain 50.00

4.2 Given that Account Owner ID O1002 does not exist and we are reporting a balance

When we enter Account Owner O1002, Password P\$2222, Account ID A1004

Then we should get an error message = Invalid Account Owner ID

4.3 Given that Account Owner ID O1002 exists and the Password is P\$2222 and Account ID A1004 exists and we are reporting a balance

When we enter Account Owner O1002, Password P\$2223, Account ID A1004

Then we should get an error message = Invalid Password

4.4 Given that Account Owner ID O1002 exists and the Password is P\$2222 and Account ID A1004 does not exist and we are reporting a balance

When we enter Account Owner O1002, Password P\$2223, Account ID A1004

Then we should get an error message = Invalid Account ID

5.1 Given that Account Owner ID O1002 exists and the Password is P\$2222 and account ID A1004 exists and the balance is 100 and we are making a withdrawal

When we enter Account Owner O1002, Password P\$2222, Account ID A1004 and withdrawal amount 50

Then the account should be - Account Owner ID = O1002, Account ID = A1004, Account Type = Checking, Balance = 50.00

5.2 Given that Account Owner ID O1002 exists and the Password is P\$2222 and account ID A1004 exists and the balance is 100 and we are making a withdrawal

When we enter Account Owner O1002, Password P\$2222, Account ID A1004 and withdrawal amount -100

Then we should get an error message = Withdrawal amount cannot be negative

5.3 Given that Account Owner ID O1002 exists and the Password is P\$2222 and account ID A1004 exists and the balance is 100 and we are making a withdrawal

When we enter Account Owner O1002, Password P\$2222, Account ID A1004 and withdrawal amount 100

Then the account should be – Account Owner ID = O1002, Account ID = A1004, Account Type = Checking, Balance = 0.00

5.4 Given that Account Owner ID O1002 exists and the Password is P\$2222 and account ID A1004 exists and the balance is 100 and we are making a withdrawal

When we enter Account Owner O1002, Password P\$2222, Account ID A1004 and withdrawal amount 50.25

Then the account should be – Account Owner ID = O1002, Account ID = A1004, Account Type = Checking, Balance = 49.75

5.5 Given that Account Owner ID O1002 exists and the Password is P\$2222 and account ID A1004 exists and the balance is 100 and we are making a withdrawal

When we enter Account Owner O1002, Password P\$2222, Account ID A1004 and withdrawal amount 150

Then we should get an error message = Withdrawal amount cannot be greater than balance

5.6 Given that Account Owner ID O1002 exists and the Password is P\$2222 and account ID A1004 exists and the balance is 100 and we are making a withdrawal

When we enter Account Owner O1002, Password P\$2222, Account ID A1004 and withdrawal amount empty

Then we should get an error message = You must enter a withdrawal amount

5.7 Given that Account Owner ID O1002 exists and the Password is P\$2222 and account ID A1004 exists and the balance is 100 and we are making a withdrawal

When we enter Account Owner O1002, Password P\$2222, Account ID A1004 and withdrawal amount is w45

Then we should get an error message = Withdrawal amount must be numeric

5.8 Given that Account Owner ID O1002 exists and the Password is P\$2222 and account ID A1004 exists and the balance is 100 and we are making a withdrawal

When we enter Account Owner O1002, Password P\$2222, Account ID A1004 and withdrawal amount 50.234

Then we should get an error message = Withdrawal amount must be dollars and cents

5.9 Given that Account Owner ID O1002 exists and the Password is P\$2222 and account ID A1004 exists and the balance is 100 and we are making a withdrawal

When we enter Account Owner O1002, Password P\$2222, Account ID A1004 and withdrawal amount space(s)

Then we should get an error message = Withdrawal amount cannot be blank

5.10 Given that Account Owner ID O1002 exists and the Password is P\$2222 and account ID A1004 exists and the balance is 100 and we are making a withdrawal

When we enter Account Owner O1002, Password P\$2222, Account ID A1004 and withdrawal amount is zero

6.1 Given that Account Owner ID O1002 exists and the Password is P\$2222 and account ID A1004 exists and the balance is 150 and account ID A1003 exists and the balance is 100 and we are making a transfer

When we enter Account Owner O1002, Password P\$2222, Transfer From Account ID A1004, Transfer To Account ID A1003 and transfer amount 100

Then the account balances should be — Account Owner ID = O1002, Account ID = A1004, Balance = 50.00 and Account Owner ID = O1002, Account ID = A1003, Balance = 200.00

6.2 Given that Account Owner ID O1002 exists and the Password is P\$2222 and account ID A1004 exists and the balance is 150 and account ID A1003 exists and the balance is 100 and we are making a transfer

When we enter Account Owner O1002, Password P\$2222, Transfer From Account ID A1004, Transfer To Account ID A1003 and transfer amount 250

Then we should get an error message – Transfer amount cannot be greater than the From Account balance

6.3 Given that Account Owner ID O1002 exists and the Password is P\$2222 and account ID A1004 exists and the balance is 150 and account ID A1003 exists and the balance is 100 and we are making a transfer

When we enter Account Owner O1002, Password P\$2222, Transfer From Account ID A1004, Transfer To Account ID A1003 and transfer amount 150

Then the account balances should be — Account Owner ID = O1002, Account ID = A1004, Balance = 0.00 and Account Owner ID = O1002, Account ID = A1003, Balance = 250.00

6.4 Given that Account Owner ID O1002 exists and the Password is P\$2222 and account ID A1004 exists and the balance is 150 and account ID A1003 does not exist

and we are making a transfer

When we enter Account Owner O1002, Password P\$2222, Transfer From Account ID A1004, Transfer To Account ID A1003 and transfer amount 100

Then we should get an error message – Transfer to account does not exist

6.5 Given that Account Owner ID O1002 exists and the Password is P\$2222 and account ID A1004 exists and the balance is 150 and we are making a transfer

When we enter Account Owner O1002, Password P\$2222, Transfer From Account ID A1004, Transfer To Account ID A1004 and transfer amount 100

Then we should get an error message – Transfer to and from accounts must be different

6.6 Given that Account Owner ID O1002 exists and the Password is P\$2222 and account ID A1004 exists and the balance is 150 and account ID A1003 does not exist and we are making a transfer

When we enter Account Owner O1002, Password P\$2222, Transfer From Account ID A1003, Transfer To Account ID A1004 and transfer amount 100

Then we should get an error message – Transfer from account does not exist

6.7 Given that Account Owner ID O1002 exists and the Password is P\$2222 and account ID A1004 exists and the balance is 150 and account ID A1003 exists and the balance is 100 and we are making a transfer

When we enter Account Owner O1002, Password P\$2222, Transfer From Account ID A1004, Transfer To Account ID A1003 and transfer amount -250

Then we should get an error message - Transfer amount cannot negative

6.8 Given that Account Owner ID O1002 exists and the Password is P\$2222 and account ID A1004 exists and the balance is 150 and account ID A1003 exists and the balance is 100 and we are making a transfer

When we enter Account Owner O1002, Password P\$2222, Transfer From Account

ID A1004, Transfer To Account ID A1003 and transfer amount 1.234

Then we should get an error message - Transfer amount must be dollars and cents

6.9 Given that Account Owner ID O1002 exists and the Password is P\$2222 and account ID A1004 exists and the balance is 150 and account ID A1003 exists and the balance is 100 and we are making a transfer

When we enter Account Owner O1002, Password P\$2222, Transfer From Account ID A1004, Transfer To Account ID A1003 and transfer amount 12a3

Then we should get an error message – Transfer amount must be numeric

7.1 Given that Account Owner ID O1002 exists and the Password is P\$2222 and account ID A1004 exists and the balance is 50.00 and the last deposit transaction ID used is D1002 and we are making a deposit

When we enter Account Owner O1002, Password P\$2222, Account ID A1004 and deposit amount 100 and the system date is 10/23/2012

Then the Transaction written to the database should have the following fields: Fransaction ID, Account owner ID, Account ID, Transaction date, Fransaction Type, Transaction amount

and the transaction record should have the values:

D1003,O1002,A1004,10/23/2012,Deposit,100

7.2 Given that Account Owner ID O1002 exists and the Password is P\$2222 and account ID A1004 exists and the balance is 50.00 and the last deposit transaction ID used is D1002 and we are making a deposit

When we enter Account Owner O1002, Password P\$2222, Account ID A1004 and deposit amount -100 and the system date is 10/23/2012

Then the No Transaction Record should be written to the database.

8.1 Given that Account Owner ID O1002 exists and the account owner name is Fred G and the Password is P\$2222 and account ID A1004 exists and the balance is 50.00 and we are logging in and making a deposit

When we enter Account Owner O1002, Password P\$2222 and press LOG IN

Then Fred G is in the Name field

When we press Deposit button

Then the Deposit panel is active, The Account Owner ID in the Deposit panel is O1002

When Account ID is A1004 and deposit amount is 100 and we press Submit and we close the Deposit panel

Then we return to the Login Menu panel

8.2 Given that Account Owner ID O1002 exists and the account owner name is Fred G and the Password is P\$2222 and we are logging in

When we enter Account Owner O1002, Password P\$2222 and press LOG IN

Then Fred G is in the Name field

When we press LOG OUT

Then the Owner ID is empty and the Password is empty and the Name is empty and we are in the Login Menu panel

8.3 Given that Account Owner ID O1002 exists and the account owner name is Fred G and the Password is P\$2222 and we are logging in

When we enter Account Owner O1002, Password P\$2222 and press LOG OUT

Then the error message is = You are not logged in

8.4 Given that Account Owner ID O1002 does not exist and we are logging in

When we enter Account Owner O1002, Password P\$2222 and Press LOG IN

Then we should get an error message = Invalid Account Owner ID

8.5 Given that Account Owner ID O1002 exists and the Password is P\$2222 and we are logging in

When we enter Account Owner O1002, Password P\$2223 and press LOG IN

Then we should get an error message = Invalid Password

8.6 Given that Account Owner ID O1002 exists and the Password is P\$2222 and we are logging in

When we enter an empty Account Owner and Password P\$2222 and press LOG IN

Then we should get an error message = You must enter an Account Owner ID

8.7 Given that Account Owner ID O1002 exists and the Password is P\$2222 and we are logging in

When we enter a blank (spaces) Account Owner and Password P\$2222 and press LOG IN

Then we should get an error message = You must enter an Account Owner ID

8.8 Given that Account Owner ID O1002 exists and the Password is P\$2222 and we are logging in

When we enter Account Owner ID O1002 and an empty Password and press LOG IN

Then we should get an error message = You must enter a password

8.9 Given that Account Owner ID O1002 exists and the Password is P\$2222 and we are logging in

When we enter Account Owner ID O1002 and a blank (spaces) Password and press LOG IN

Then we should get an error message = You must enter a password

8.10 Given that Account Owner ID O1002 exists and the account owner name is Fred G and the Password is P\$2222 and we are logging in

When we enter Account Owner O1002, Password P\$2222 and press LOG IN

Then Fred G is in the Name field

When we press LOG IN

Then we should get an error message = You are already logged in

8.11 Given that we are logging in

When we press Deposit

Then we should get an error message = You are not logged in

9.1 Given that Account Owner ID O1002 exists and the Password is P\$2222 and we are creating a new checking account

When we enter Account Owner O1002, Password P\$2223, Account Type Checking and Balance 50.00

Then we should get an error message = Invalid Password

When we enter Account Owner O1002, Password P\$2223, Account Type Checking and Balance 50.00

Then we should get an error message = Two failed login attempts – contact bank for password reset

9.2 Given that Account Owner ID O1002 exists and the Password is P\$2222 and we are creating a new checking account

When we enter Account Owner O1002, Password P\$2223, Account Type Checking and Balance 50.00

Then we should get an error message = Invalid Password

When we enter Account Owner O1002, Password P\$2222, Account Type Checking and

Balance 50.00 Then the new account should be – Account Owner ID = O1002, Account ID = A1005, Account Type = Checking, Balance = 50.00

When we enter Account Owner O1002, Password P\$2223, Account Type Checking and Balance 50.00

Then we should get an error message = Invalid Password

9.3 Given that Account Owner ID O1002 exists and the Password is locked and the and we are creating a new checking account

When we enter Account Owner O1002, Password P\$2222, Account Type Checking and Balance 50.00

Then we should get an error message = Contact bank for password reset

9.4 Given that Account Owner ID O1002 exists and the Password is locked and the and we are creating a new checking account

When we enter Account Owner O1002, Password P\$2223, Account Type Checking and Balance 50.00

Then we should get an error message = Contact bank for password reset

10.1 Given that Account Owner ID O1002 exists and we are resetting the password SEPISED When we enter Account Owner O1002, Unlock password U\$U\$, Password P\$1234 Then Password is reset to P\$1234

Given that Account Owner ID O1002 exists and the Password is P\$1234 and the last account ID for this owner is A1004 and we are creating a new checking account

When we enter Account Owner O1002, Password P\$1234, Account Type Checking and Balance 50.00

Then the new account should be - Account Owner ID = O1002, Account ID = A1005,

Account Type = Checking, Balance = 50.00

When we enter Account Owner O1002, Password P\$2222, Account Type Checking and Balance 50.00

Then we should get an error message = Invalid Password

10.2 Given that Account Owner ID O1002 exists and we are resetting the password SEPSEP When we enter Account Owner O1002, Unlock password Q\$U\$, Password P\$1234

Then we should get an error message = Invalid Unlock Password

- 11.1 Given that we are resetting a password and Account Owner ID is O1002

 When we enter Account Owner O1002, Unlock password U\$U\$, Password P\$12345

 Then we should get an error message = Password maximum 6 characters
- 11.2 Given that we are resetting a password and Account Owner ID is O1002

 When we enter Account Owner O1002, Unlock password U\$U\$, Password P12345

 Then we should get an error message = Password must contain at least 1 non-alphanumeric character
- 11.3 Given that we are resetting a password and Account Owner ID is O1002
 When we enter Account Owner O1002, Unlock password U\$U\$, Password J\$
 Then new Password = J\$
- 11.4 Given that we are resetting a password and Account Owner ID is O1002

 When we enter Account Owner O1002, Unlock password U\$U\$, Password \$#\$,

Then we should get an error message = Password must contain at least 1 alphanumeric character

11.5 Given that we are resetting a password and Account Owner ID is O1002

When we enter Account Owner O1002, Unlock password U\$U\$, Password J,

Then we should get an error message = Password minimum 2 characters

12.1 Given that Account Owner ID O1002 exists and the Password is P\$2222 and account ID A1004 exists and the balance is 50.00 and we are making a deposit

When we enter Account Owner O1002, Password P\$2223, Account ID = A1004, Account Type Checking and deposit amount 50.00

Then we should get an error message = Invalid Password

When we enter Account Owner O1002, Password P\$2223, Account ID = A1004, Account Type Checking and deposit amount 50.00

Then we should get an error message = Two failed login attempts – contact bank for password reset

12.2 Given that Account Owner ID O1002 exists and the Password is P\$2222 and account ID A1004 exists and the balance is 50.00 and we are making a deposit

When we enter Account Owner O1002, Password P\$2223, Account ID = A1004, Account Type Checking and deposit amount 50.00

Then we should get an error message = Invalid Password

When we enter Account Owner O1002, Password P\$2222, Account ID = A1004, Account Type Checking and deposit amount 50.00

Then the account should be - Account Owner ID = O1002, Account ID = A1004, Account Type = Checking, Balance = 100.00

When we enter Account Owner O1002, Password P\$2223, Account ID = A1004, Account Type Checking and deposit amount 50.00

Then we should get an error message = Invalid Password

12.3 Given that Account Owner ID O1002 exists and the Password is locked and we are making a deposit

When we enter Account Owner O1002, Password P\$2222, Account ID = A1004, Account Type Checking and deposit amount 50.00

Then we should get an error message = Contact bank for password reset