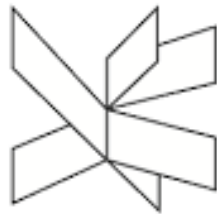


# ONLINE BANKING SYSTEM

SCENARIO TESTING



VIA University  
College

**Test 1:**

A user can use the system from multiple computers.

**Customer-User**

Test	Steps	Expected	Actual	Result
Use the system with multiple customer-user	1. Run the system with 3 or more computers at the same time. 2. Login with separate customer-users.	Display the customer-user GUI with all functionality without access to any admin functionality.	As expected.	PASSED

**Admin-User**

Test	Steps	Expected	Actual	Result
Use the system with multiple admin-user	1. Run the system with 3 or more computers at the same time. 2. Login with separate admin-users.	Display the admin-user GUI with all functionality without access to any customer functionality.	As expected.	PASSED

**Test 2:**

An Admin-User can create a new Customer-User

Test	Steps	Expected	Actual	Result
Create a new customer-user with an admin-user.	1. Login as a admin-user. 2. Go to the create new user page. 3. Add correct information into fields. 4. Select customer user. 5. Press create new user button. 6. Login as the new customer-user.	The new customer-user can login, with access to all functionalities.	As expected.	PASSED

**Test 3:**

An Admin-User can create a new account for a customer-user.

Test	Steps	Expected	Actual	Result
Create a new account for a customer-user	1. Login as a admin-user. 2. Go to add account page. 3. Add correct information into fields. 4. Press create new account button.	The customer-user should have access to the account in the home page.	As expected.	PASSED

	5. Login as the customer-user who the account was created for.			
--	--	--	--	--

#### Test 4:

An Admin-User can assign an existing account to a customer-user.

Test	Steps	Expected	Actual	Result
Assign an existing account to a customer-user	1. Login as a admin 2. Go to assign account to user page. 3. Add correct information into fields. 4. Press add account to user button. 5. Login as the customer-user who the account was created for.	The customer-user should have access to the account in the home page.	As expected.	PASSED

#### Test 5:

A User can login.

#### Customer-User

Test	Steps	Expected	Actual	Result
A customer-user can login.	1. Select Customer in login page. 2. Enter username and password. 3. Press login button. 4. Enter NEM-ID value. 5. Press submit button.	The customer-user should have access to all functionalities.	As expected.	PASSED

#### Admin-User

Test	Steps	Expected	Actual	Result
A admin-user can login.	1. Select Admin in login page. 2. Enter username and password. 3. Press login button. 4. Enter NEM-ID value. 5. Press submit button.	The admin-user should have access to all functionalities.	As expected.	PASSED

#### All Users:

Test	Steps	Expected	Actual	Result
Confirm failed login, if user enters wrong username or password.	1. Select customer or administrator. 2. Enter a wrong username or wrong password. 3. Press login button.	Login failed	As expected	PASSED

Test	Steps	Expected	Actual	Result
------	-------	----------	--------	--------

Confirm failed login, if user enters wrong NEM-ID value.	1. Select customer or administrator. 2. Enter correct username and password. 3. Press login button. 4. Enter wrong NEM-ID value. 5. Press submit button.	Login failed	As expected	PASSED
--	--	--------------	-------------	--------

Test	Steps	Expected	Actual	Result
Confirm exception when same user is logged in on two computers at same time.	1. Select customer or administrator. 2. Enter username and password. 3. Press login button. 4. Enter NEM-ID value. 5. Press submit button. 6. Redo with same user on different computer without logging out from the first computer.	Exception is thrown.	No exception.	FAILED

#### Test 6:

A User can logout

#### Customer-User

Test	Steps	Expected	Actual	Result
A customer-user can logout.	1. Login as Customer-User. 2. Press the logout button in the menu.	Login page should show up, with no access to the customer-user functionalities, without logging in again.	As expected.	PASSED

#### Admin-User

Test	Steps	Expected	Actual	Result
A admin-user can logout.	1. Login as Admin-User. 2. Press the logout button in the menu.	Login page should show up, with no access to the admin-user functionalities, without logging in again.	As expected.	PASSED

#### Test 7:

A Customer-User can transfer money to a different account.

Test	Steps	Expected	Actual	Result
------	-------	----------	--------	--------

A customer-user can transfer money to a different account.	1. Login as Customer-User. 2. Go to transfer money page. 3. Select account. 4. Add correct information into fields. 5. Press submit button.	The balance from the account which was chosen, should go down by the amount that was transferred.	As expected.	PASSED
--	---	---	--------------	--------

Test	Steps	Expected	Actual	Result
Confirm exception if customer-user transfer more money than the transfer limit allows.	1. Login as Customer-User. 2. Go to transfer money page. 3. Select account. 4. Add correct information into fields. 5. Fill in a bigger amount that should be transfer than the transfers limit allows. 6. Press submit button.	Exception thrown.	As expected.	PASSED

Test	Steps	Expected	Actual	Result
Confirm exception if customer-user exceeds credit limit with a transaction.	1. Login as Customer-User. 2. Go to transfer money page. 3. Select account. 4. Add correct information into fields. 5. Fill in a amount that will exceed the credit limit of the user. 6. Press submit button.	Exception thrown.	As expected.	PASSED

#### Test 8:

A Customer-User can receive money from a different user.

Test	Steps	Expected	Actual	Result
A Customer-User can receive money from a different user.	1. Login as Customer-User. 2. Go to transfer money page. 3. Select account. 4. Add correct information into fields. 5. Press submit button. 6. Login as the user that the money was transferred to. 7. Check the transaction of the account.	The transaction should be shown in the transaction history.	As expected.	PASSED

**Test 9:**

A Customer-User can see balance on each account.

Test	Steps	Expected	Actual	Result
A Customer-User can see balance on each account.	1. Login as Customer-User. 2. Go to the home page.	Display of the balance of each account in a list view.	As expected.	PASSED

**Test 10:**

A Customer-User can see transfer history on every account.

Test	Steps	Expected	Actual	Result
A Customer-User can see transfer history on each account.	1. Login as Customer-User. 2. Go to the home page. 3. Press the see transaction button on the account, where the transactions should be displayed.	Display of the transaction of the chosen account in a list view.	As expected.	PASSED

**Test 11:**

A Customer-User gets interest on his money.

Test	Steps	Expected	Actual	Result
A Customer-User gets interest on his money.	1. Run the server. 2. Wait for one week.	Balance should increase by 5%.	As expected.	PASSED

**Test 12:**

A Customer-User can share an account with another user.

Test	Steps	Expected	Actual	Result
A Customer-User can share a account with another user.	1. Login as Admin-User 2. Go to assign account to user page. 3. Add an account, that a user is already using, to another user. 4. Press add account to user button.	The assigned account should be found in the home page of both user, when logged in.	As expected.	PASSED

	5. Login as the customer-user who the account was created for.			
--	--	--	--	--

#### Test 13:

A Customer-User can transfer money on a chosen date.

Test	Steps	Expected	Actual	Result
A Customer-User can transfer money on a chosen date	1. Login as a customer-user. 2. Make a new transaction with different date than current. 3. Wait for the chosen date to come.	The transaction should be shown in the transaction list, for the account the money was transferred from.	As expected.	PASSED

#### Test 14:

A Customer-User can change personal information.

Test	Steps	Expected	Actual	Result
A Customer-User can change personal information	1. Login as Customer-User. 2. Go to the settings page. 3. Change customer information. 4. Press submit button. 5. Logout. 6. Login again.	The information should have changed on the setting page.	As expected.	PASSED

#### Test 15:

A Customer-User can save transaction information.

Test	Steps	Expected	Actual	Result
A Customer-User can save transaction information	1. Login as Customer-User. 2. Go to the transaction page. 3. Check the check box save transaction. 4. Make a transaction. 5. Logout. 6. Login again.	It should be possible to select the transaction from the choice box and fill the field with the saved data.	As expected.	PASSED

#### Test 16:

A Customer-User can see his account information.

Test	Steps	Expected	Actual	Result
------	-------	----------	--------	--------

A Customer-User can see his account information	1. Login as Customer-User. 2. Go to the home page. 3. Press the see transaction on the account the information should be displayed.	The account should be displayed at the top of the page.	As expected.	PASSED
---	---	---	--------------	--------

#### Test 17:

A Customer-User can contact the bank with email.

Test	Steps	Expected	Actual	Result
A Customer-User can contact the bank with email.	1. Login as Customer-User. 2. Go to the contact us page. 3. Fill in the neccarsary fields. 4. Press the submit button.	An email was send to the email of the bank and a copy to the customer-user email account if the send me a copy option was selected.	As expected.	PASSED

#### Test 18:

A Customer-User can print his history (pdf).

NOT IMPLEMENTET.

#### Test 19:

An Admin-User can see the transfer history of an account

Test	Steps	Expected	Actual	Result
An Admin-User can see the transfer history of an account	1. Login as Admin-User. 2. Go to the search page. 3. Search for the user with the account. 4. Select it. 5. Press the button show accounts. 6. Press see transaction button on the account.	The transaction from the chosen account should be displayed.	As expected.	PASSED

#### Test 20:

An Admin-User can see the balance of a customer user



Test	Steps	Expected	Actual	Result
An Admin-User can see the balance of a customer-user	<ol style="list-style-type: none"> <li>1. Login as Admin-User.</li> <li>2. Go to the search page.</li> <li>3. Search for the user with the account.</li> <li>4. Select it.</li> <li>5. Press the button show accounts.</li> </ol>	All accounts and the balance of each account should be displayed in a list view.	As expected.	PASSED

#### Test 21:

*An Admin-User can change a Customer-Users information*

Test	Steps	Expected	Actual	Result
An Admin-User can change a Customer-Users information	<ol style="list-style-type: none"> <li>1. Login as Admin-User.</li> <li>2. Go to the search page.</li> <li>3. Search for the user, that should be changed.</li> <li>4. Select it.</li> <li>5. Change information</li> <li>6. Press submit button.</li> <li>7. Login as the user that was changed.</li> </ol>	The information should have changed on the setting page.	As expected.	PASSED

#### Test 22:

*An Admin-User can create a new Admin-User*

Test	Steps	Expected	Actual	Result
Create a new admin-user with an admin-user.	<ol style="list-style-type: none"> <li>1. Login as a admin-user.</li> <li>2. Go to the create new user page.</li> <li>3. Add correct information into fields.</li> <li>4. Select administrator user.</li> <li>5. Press create new user button.</li> <li>6. Login as the new customer-user.</li> </ol>	The new admin-user can login, with access to all functionalities.	As expected.	PASSED