ONLINE BANKING SYSTEM

SCENARIO TESTING



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	 Run the system with or more computers at the same time. Login with separate customer-users. 	Display the customer-user GUI with all functionality without access to any admin functionality.	As expected.	PASSED
•	at the same time. 2. Login with separate	without access to any admin	expected.	

Admin-User

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

Test 2:An Admin-User can create a new Customer-User

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

Test 3:An Admin-User can create a new account for a customer-user.

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

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

Test 5:

A User can login.

Customer-User

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

Admin-User

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

All Users:

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

Test	Steps	Expected	Actual	Result

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

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

Test 6:

A User can logout

Customer-User

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

Admin-User

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

Test 7:

 $\hbox{A Customer-User can transfer money to a different account.}\\$

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

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

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

Test 8:A Customer-User can receive money from a different user.

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

Test 9:

A Customer-User can see balance on each account.

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

Test 10:

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

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

Test 11:

A Customer-User gets interest on his money.

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

Test 12:

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

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

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

Test 14:

A Customer-User can change personal information.

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

Test 15:

A Customer-User can save transaction information.

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

Test 16:

A Customer-User can see his account information.

Test Steps	S Expected	Actual Result
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A Customer-	1. Login as Customer-User.	The account should	As expected.	PASSED
User can see	2. Go to the home page.	be displayed at the		
his account	his account 3. Press the see transaction on			
information	the account the information			
	should be displayed.			

Test 17:

A Customer-User can contact the bank with email.

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

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

Test 20:

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

Test	Steps	Expected	Actual	Result
An Admin-	1. Login as Admin-User.	All accounts and	As expected.	PASSED
User can see	2. Go to the search page.	the balance of each		
the balance of	3. Search for the user with the	account should be		
a customer-	account.	displayed in a list		
user	4. Select it.	view.		
	5. Press the button show			
	accounts.			

Test 21:An Admin-User can change a Customer-Users information

Test	Steps	Expected	Actual	Result
An Admin-	1. Login as Admin-User.	The information	As expected.	PASSED
User can	2. Go to the search page.	should have		
change a	3. Search for the user, that should	changed on the		
Customer-	be changed.	setting page.		
Users	4. Select it.			
information	5. Change information			
	6. Press submit button.			
	7. Login as the user that was			
	changed.			

Test 22:An Admin-User can create a new Admin-User

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