

Team Polandball

Banking System Phase V - Backend Test Report

Course Code: CSCI 3060/SOFE 3980U - Software Quality Assurance

Course Instructor: Dr. Jeremy Bradbury



Members:

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Tutorial CRN: **73386 - Tuesday, 2:10-3:30**

Report Due Date: **March 29th, 2016**

TEST CASES

Master Accounts File

12345 dominick mancini	A 00199.80 0005 S
12346 scott mclean	D 00470.00 0122 N
12347 janahan something	A 00099.70 8891 N
12348 chuck norris	A 00000.00 0000 N
12349 optimus prime	A 00000.00 0000 N
12350 janahan nirmalan	A 00600.00 0002 N
12351 vector prime	A 00000.00 0000 N

All tests were conducted using this Master Accounts File (Vector Prime is created during testing, and then tested upon itself)

Statement and Decision Testing

(Due to the structure of the program, these tests were able to check statements and decisions simultaneously)

Test Name/ID	Rationale	Passed/Failed	Description of Failure (if failed)
createAccountTestSuccess()	Test the valid account creation	Passed	
createAccountTestFail()	Test invalid account creation attempt	Passed	
depositFundsFail()	Attempt invalid funds deposit	Failed	Typo in test case
depositFundsSuccess()	Test valid deposit	Passed	
depositFundsDisabled()	Test deposit on disabled account	Passed	
withdrawFundsDisabled()	Test withdraw on disabled account	Passed	
withdrawFundsSuccess()	Test valid withdraw	Passed	
withdrawFundsFailure()	Test invalid withdraw	Passed	
paybillCompanyDoesNotExist()	Test paybill to nonexistent company	Passed	
paybillSuccess()	Test valid paybill	Passed	
paybillInsufficientFunds()	Test paybill when there are not enough funds	Passed	
paybillDisabled()	Test disabled paybill on disabled account	Passed	

withdrawNonExistantAccount()	Test withdraw from account that doesn't exist	Passed	
depositNonExistantAccount()	Test deposit on account that doesn't exist	Failed	Accounts that were not found were treated as active placeholder accounts, program was modified to treat not found accounts as disabled.
paybillNonExistantAccount()	Test paybill on account that doesn't exist	Passed	
deleteAccountSuccess()	Test valid delete	Passed	
deleteAccountFailure()	Test invalid delete	Passed	
changeplanSuccess()	Test valid changeplan	Passed	
changeplanFailure()	Test invalid changeplan	Failed	Accounts that were not found were treated as active placeholder accounts, program was modified to treat not found accounts as disabled.
disableAccountSuccess()	Test valid disable	Passed	
disableAccountFailure()	Test invalid disable	Passed	
enableAccountSuccess()	Test valid enable	Passed	
enableAccountFailure()	Test invalid inable	Failed	Program did not safeguard against accounts that were already enabled, this was implemented after test.

Statement Tests and Results

Test Name/ID	Input	Expected Return	Actual Return
createAccountTestSuccess()	05 vector prime 12351 00000.00 MM	True	True
createAccountTestFail()	05 dominick mancini 12345 00000.00 MM	False	False
depositFundsFail()	04 chuck norris 12348 00000.09 MM	False	True
depositFundsSuccess()	04 janahan nirmalan 12350 00300.00 MM	True	True
depositFundsDisabled()	04 scott mclean 12346 00010.00 MM	False	False
withdrawFundsDisabled()	01 scott mclean 12346 00010.00 MM	False	False
withdrawFundsSuccess()	01 dominick mancini 12345 00010.00 MM	True	True
withdrawFundsFailure()	01 dominick mancini 12345 00200.00 MM	False	False
paybillCompanyDoesNotExist()	03 dominick mancini 12345 00050.00 TT	False	False
paybillSuccess()	03 dominick mancini 12345 00050.00 TV	True	True
paybillInsufficientFunds()	03 dominick mancini 12345 00200.00 TV	False	False
paybillDisabled()	03 scott mclean 12346 00050.00 TV	False	False
withdrawNonExistantAccount()	01 bob mclean 15736 00050.00 MM	False	False
depositNonExistantAccount()	04 bob mclean 15736 00050.00 MM	False	True
paybillNonExistantAccount()	01 bob mclean 15736 00050.00 TV	False	False
deleteAccountSuccess()	06 dominick mancini 12345 00000.00 MM	True	True
deleteAccountFailure()	06 bob mclean 15736 00000.00 MM	False	False
changeplanSuccess()	08 dominick mancini 12345 00000.00 MM	True	True
changeplanFailure()	08 bob mclean 15736 00000.00 MM	False	True
disableAccountSuccess()	07 dominick mancini 12345 00000.00 MM	True	True
disableAccountFailure()	09 dominick mancini 12345 00000.00 MM	False	False
enableAccountSuccess()	09 scott mclean 12346 00000.00 MM	True	True
enableAccountFailure()	09 dominick mancini 12345 00000.00 MM	False	True

