

Test Specification for Gui

Tests: Check for faults in database

Test Case #	Requirement	Test description and Input Data	Expected result/output
1	Will try to use is loyal for checking and college checking accounts	Click the Loyal Customer when the radio button associated with checking or college checking is selected	The Loyal Customer checkbox should not be active or cannot be selected by the user.
2	Campus radioButtons should only be accessible if you click collegeChecking, otherwise it should not	Click on College Checking radio button and pick the colleges	Should be able to click the campus radio button
3	College radioButtons should only be accessible if you click collegeChecking, otherwise it should not. We will be choosing savings.	Click on savings and try to to click on the campus button	Should not be accessible to the user.
4	When opening an account, you cannot start with a negative number.	Put in a negative amount in the amount textbox.	Error screen pops up
5	The Gui should not show any error since only one account was made and it was closed.	<p>Creation of one account with all the right and valid parameters.</p> <p>Test Data:</p> <p>String firstName = "John";</p> <p>String lastName = "Adams";</p>	No errors

		String dob = "12/5/2005"; amount=\$2000 Open account	
6	The gui should show an error/exception because two one account is opened, and another non existing is closed.	First account is opened but the second account is closed which does not exist. First account; String firstName = "John"; String lastName = "Adams"; String dob = "12/5/2005"; amount=\$2000 Open an account Second account String fname = "John"; String lname = "Adam"; String dob1 = "12/5/2005"; amount = \$2000 John Adams account	Not in the database exception shows up

		is closed.	
7	every account has their balance, if the withdrawn amount is higher than the balance, then it should show an error	<p>An account with 1000 dollars will be made. Then 1001 will be withdrawn.</p> <p>First account;</p> <p>String firstName = "John";</p> <p>String lastName = "Adams";</p> <p>String dob = "12/5/2005";</p> <p>amount=\$1000</p> <p>withdraw= \$1001</p>	Insufficient fund exception called
8	Every account is unique and one of its kind. So the same account cannot be created. If they are, an error should show up.	<p>String firstName = "Nineo";</p> <p>String lastName = "Shooter";</p> <p>String dob = "12/5/2006";</p> <p>amount=\$1000</p> <p>Open account</p> <p>String firstName = "Nineo";</p> <p>String lastName = "Shooter";</p> <p>String dob = "12/5/2006";</p> <p>amount=\$1000</p> <p>Open account</p>	Is already in the database exception

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Test: Valid age

Test Case #	Requirement	Test description and Input Data	Expected result/output
1	Only users over the age of 16 can open an account. So when a person with dob less than 16 years tries to open an account, it should be invalid	String firstName = "Nineo"; String lastName = "Shooter"; String dob = "11/6/2008"; amount=\$1000 Open account	Under 16 exception, error
2	Only users over the age of 16 can open an account. So when a person with dob more than 16 years tries to open an account, it should give no errors	String firstName = "Nineo"; String lastName = "Shooter"; String dob = "11/6/2007"; amount=\$1000 Open account	No error, account created

Tests: Check for valid dates

Test Case #	Requirement	Test description and Input Data	Expected result/output
1	Will check if the non leap year February will have valid dates. It will be given a valid date and see if it returns true.	In the textfile, will create an instance of Date with month = 2, day =28, and the year is not leap year Test Data: "2/28/2020"	No error
2	Will check if the given date is valid. Will be given a date that exists and see if any exception is triggered	Create an instance of Date in the textfile with month >= 1 or month >= 12. The year is this year and the day is between 1 and 31. Test Data: "05/15/2023"	No error
3	There are no days that have 0 as their day. Every month starts with 1. An error would pop up in the Textfield.	Create an instance of Date in the textfile with month >= 1 or month >= 12. The year is a valid year and the day=0. Test Data: "02/0/2020"	Date does not exist