

COMP 354

Test Document for the project myMoney

Team PA-PK

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Table 1: Team

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Table 2: Revision history

Version	Date	Changes
1.0	15 March 2018	Completed test document

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1 Introduction

The introduction of the document provides an overview of the entire document, briefly introducing what are its goals, and what information is to be found in it.

2 Test Plan

Describe what forms of testing you plan to do (unit, subsystem, integration), describe briefly the schedule and resources for testing, and how you designed your test cases.

Indicate which qualities (from requirements) were tested and which qualities were not tested.

2.1 System Level Test Cases

All test cases for testing at the system level.

Test Case 1

Purpose

State the purpose of the test. Indicate which requirement and which aspect of that requirement is being tested.

Input Specification

State the context for the test in terms of system state. State the input test data. You may need to mention operations invoked as well as data for the operation. You can cross-reference to actual file data specified in an appendix.

Expected Output

State the expected system response and output. You can cross-reference to actual file data specified in an appendix.

Traces to Use Cases

State which requirements (at the level of use case and scenario) are tested by this test case.

2.2 Subsystem Level Test Cases

All test cases for testing at the subsystem level.

One subsection per subsystem

Subsystem X

2.3 Unit Test cases

com.github.comp354project.model.user.UserService.createUser(User)

Table 3: createUser(User)

Tester Name	Hrachya	
Test Date	1/31/18	
Class Name	com.github.comp354project.model.user.UserService	
Method Name	createUser(User)	
Purpose	This test suite tests the creation of a user	
Use Cases	01	
Test Scenarios		
createUser_withNullUser_shouldThrow		
Input Specification	user	
	null	
Expected Output	ValidationException is thrown	
Actual Output	ValidationException is thrown	
Bug Found	false	
Purpose	No null user can be saved in the database	
testCreateUser_withInvalidUser_shouldThrow		
Input Specification	user	errors
		4
Expected Output	ValidationException is thrown 4 exceptions are thrown because missing fields: username, password, firstname,	
Actual Output	ValidationException is thrown 4 exceptions are thrown because missing fields: username, password, firstname,	
Bug Found	false	
Purpose	No empty value user can be saved in the database	
testCreateUser_withValidUser_shouldReturnUser		
Input Specification	user	
	username: USERNAME	
	password: PASSWORD	
	firstName: FIRSTNAME lastName: LASTNAME	
Expected Output	User ID was autogenerated upon save The saved user is the same as the inputted user	
Actual Output	User ID was autogenerated upon save The saved user is the same as the inputted user	
Bug Found	false	

Purpose	A valid user should be inserted in the database
testCreateUser_withExistingUsername_shouldThrow	
Input Specification	user
	username: USERNAME
	password: PASSWORD
	firstName: FIRSTNAME lastName: LASTNAME
Expected Output	ValidationException is thrown
Actual Output	ValidationException is thrown
Bug Found	false
Purpose	A user cannot be created if the username is already taken

`com.github.comp354project.model.user.UserService.deleteBankAccount(Account)`

Table 4: deleteBankAccount(Account)

Tester Name	Anne-Laure	
Test Date	3/7/18	
Class Name	com.github.comp354project.model.user.UserService	
Method Name	deleteBankAccount(Account)	
Purpose	This test suite tests the deletion of a bank account	
Use Cases	04	
Test Scenarios		
testDeleteBankAccount_withNullAccount_ShouldThrow		
Input Specification	account	
	null	
Expected Output	ValidationException is thrown	
Actual Output	ValidationException is thrown	
Bug Found	false	
Purpose	No null account can be passed to the function	
testDeleteBankAccount_withoutBeingLoggedIn_ShouldThrow		
Input Specification	account	testUser
	ID: 1 user: testUser bankName: TD type: Checking balance: 15823.12	ID: 1 firstName: Hrachya lastName: Hakobyan username: admin password: admin email: sample@email.com address: address phone: 111111
Expected Output	AuthenticationException is thrown	
Actual Output	AuthenticationException is thrown	

Bug Found	false		
Purpose	A user that is not authenticated cannot delete his accounts		
testDeleteBankAccount_withoutProperAuthorisation_ShouldThrow			
Input Specification	testUser	user2	testAccount
	ID: 1 firstName: Hrachya lastName: Hakobyan username: admin password: admin email: sample@email.com address: address phone: 111111	username: username password: password firstName: firstname lastName: lastname ID: 999	ID: 1 user: testUser bankName: TD type: Checking balance: 15823.12
Expected Output	AuthorisationException is thrown		
Actual Output	AuthorisationException is thrown		
Bug Found	false		
Purpose	A user cannot modify the accounts of another user		
testDeleteBankAccount_WithProperAuthorisation_ShouldSucceed			
Input Specification	testUser	testAccount	invocationCount
	ID: 1 firstName: Hrachya lastName: Hakobyan username: admin password: admin email: sample@email.com address: address phone: 111111	ID: 1 user: testUser bankName: TD type: Checking balance: 15823.12	1
Expected Output	Execution of the deletion of the account once		
Actual Output	Execution of the deletion of the account once		
Bug Found	false		
Purpose	An authenticated user should succeed in deleting his own bank accounts		

All test cases for testing at the unit level.

One subsection per unit

Unit X

3 Test Results

List the tests, indicating which passed and which did not pass. List requirements indicating the percentage of tests that passed for that requirement.

4 References

A Description of Input Files

Describe/include test data from input files.

B Description of Output Files

Describe/include test expected output that are output files.