

Test Function Document

Project Name: A1 unit testing students	
Automation Title: test_login	Version: 1.0
Testing Phase: Phase 1	Date of Test: 23 nov 2023
Module Name: A1 unit testing students	

Function Title: login	Test Designed by: Jannik Recklies
Test Priority (Low/Medium/High): Medium	Test Designed Date: 23 Nov 2023
Description: The login function takes in user input (username, password) and checks for correctness by comparing to both inputs with file content of users.json. If username does not exist, it will further ask for registration. In that case the user can enter a password and will then be stored in the users.json file.	Test Executed by: Jannik Recklies
	Test Execution date: 23 nov 2023

Pre-conditions: Mock users.json and set content to [{"username": "testuser", "password": "Test_Password", "wallet": 0}]

Dependencies: [None](#)

S . N o	Equival ence Class	Test case data	Expected Results	Actual Results	Status (Pass/ Fail)	Notes
1	EC1	Userinputs: ["testuser", "Test_Password"]	Printout contains "Success fully logged in"	Printout contains "Succes sfully logged in"	Pass	Entered username & password are correct. Test name: test_login_successful ()
2	EC2	Userinputs: ["testuser", "wrongpassword"]	Printout contains "Either usernam e or password were incorrect "	Printout contains "Either usernam e or passwor d were in correc t"	Pass	Entered username correct, password incorrect. Test name: test_login_with_incorrect_password()
3	EC3	Userinputs: ["non_existing_user", "wrongpassword", "N"]	Printout contains "Userna me does not exists."	Printout contains "Userna me does not exists."	Pass	Username incorrect, Password exists, don't register. Test name: test_login_with_non_existing_userna me_and_not_register()
4	EC3	Userinputs: ["non_existing_user", " Test_Password", "N"]	Printout contains "Userna me does	Printout contains "Userna me does	Pass	Username incorrect, Password exists, don't register. Test name:

			not exists."	not exists."		test_login_with_non_existing_username_and_not_register()
5	EC4	Userinputs: ["non_existing_user", "password", "Y", "Correct_New_Password"]	Printout contains "Username does not exists." & "Successfully registered"	Printout contains "Username does not exists." & "Successfully registered"	Pass	Register correct on first try. Test name: test_login_failed_and_register_correct()
6	EC4	Userinputs: ["non_existing_user", "password", "Y", "8Letter\$"]	Printout contains "Username does not exists." & "Successfully registered"	Printout contains "Username does not exists." & "Successfully registered"	Pass	Register correct on first try. Test name: test_login_failed_and_register_correct()
7	EC5	Userinputs: ["non_existing_user", "password", "Y", "password_missing_capital_letter", "Correct_New_Password"]	Printout contains "Username does not exists." & "Password must have at least 1 capital letter, 1 special symbol and be 8 characters long." & "Successfully registered"	Printout contains "Username does not exists." & "Password must have at least 1 capital letter, 1 special symbol and be 8 characters long." & "Successfully registered"	Pass	Register with non-accepted password and retry until correct. Test name: test_login_failed_and_retry_register()
8	EC5	Userinputs: ["non_existing_user", "password", "Y", "PasswordMissingSpecialCharacter",	Printout contains "Username does not exists."	Printout contains "Username does not exists."	Pass	Register with non-accepted password and retry until correct. Test name: test_login_failed_and_retry_register()

		"Correct_New_Password"]	& "Password must have at least 1 capital letter, 1 special symbol and be 8 characters long." & "Successfully registered"	& "Password must have at least 1 capital letter, 1 special symbol and be 8 characters long." & "Successfully registered"		
9	EC5	Userinputs: ["non_existing_user", "password", "Y", "7L%tter", "Correct_New_Password"]	Printout contains "Username does not exist." & "Password must have at least 1 capital letter, 1 special symbol and be 8 characters long." & "Successfully registered"	Printout contains "Username does not exist." & "Password must have at least 1 capital letter, 1 special symbol and be 8 characters long." & "Successfully registered"	Pass	Register with non-accepted password and retry until correct. Test name: test_login_failed_and_retry_register()
10	EC5	Userinputs: ["non_existing_user", "password", "Y", "password_missing_capital_letter", "PasswordMissingSpecialCharacter", "Pw\$hort", "Correct_New_Password"]	Printout contains "Username does not exist." & "Password must have at least 1 capital letter, 1 special symbol	Printout contains "Username does not exist." & "Password must have at least 1 capital letter, 1 special symbol	Pass	Register with non-accepted password and retry until correct. Test name: test_login_failed_and_retry_register()

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