## **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	Test Executed by: Jannik Recklies
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 Execution date: 23 nov 2023
Pre-conditions: Mock users.json and set conte "wallet": 0}]	ent to [{"username": "testuser", "password": "Test_Password",

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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 incorrec 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_userna me_and_not_register()
5	EC4	Userinputs: ["non_existing_user", "password", "Y", "Correct_New_Password"]	Printout contains "Userna me does not exists." & "Success fully registere d"	Printout contains "Userna me does not exists." & "Succes sfully registere d"	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 "Userna me does not exists." & "Success fully registere d"	Printout contains "Userna me does not exists." & "Succes sfully registere d"	Pass	Register correct on first try. Test name: test_login_failed_and_register_correct()
7	EC5	Userinputs: ["non_existing_user", "password", "Y", "password_missing_ca pital_letter", "Correct_New_Passwo rd"]	Printout contains "Userna me does not exists." & "Passwor d must have at least 1 capital letter, 1 special symbol and be 8 character s long." & "Success fully registere d"	Printout contains "Userna me does not exists." & "Passwo rd must have at least 1 capital letter, 1 special symbol and be 8 characte rs long." & "Succes sfully registere d"	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", "PasswordMissingSpec ialCharacter",	Printout contains "Userna me does not exists."	Printout contains "Userna me does not exists."	Pass	Register with non-accepted password and retry until correct. Test name: test_login_failed_and_retry_register()

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9	EC5	Userinputs:	Printout	Printout	Pass	Register with non-accepted password
		["non_existing_user",	contains	contains		and retry until correct.
		"password", "Y",	"Userna	"Userna		Test name:
		"7L%tter",	me does	me does		test_login_failed_and_retry_register()
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1	ECS	Userinputs: ["non existing user",	contains	contains	rass	Register with non-accepted password and retry until correct.
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		"password", "Y",	me does	me does		
		"password_missing_ca pital letter",	not not	not not		test_login_failed_and_retry_register()
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