

Test Cases

Black-Box Test Cases

These test cases are defined based on the available documentation and execution of the program. The code was not inspected.

#	Test case (very brief description)	Preconditions (any required setup)	Test steps (steps executed during testing)	Expectation	Observation ("pass" or failure description)
1	Create accounts	Starting the application	Click on create new account, type name height etc separated with commas, click enter	Creates new account	Pass
2	Create accounts while using wrong elementary data type	Starting the application	Click on create new account, type numbers for names , type name for height etc. , click enter	Cant create them	Fail ,account gets created with wrong datatypes, cant log into them though
3	Tracking Calories	Logged into an account with data	Log into account, press on track calories, click on food and type in how much grams, click enter	Counts Calories correctly	Pass, but difficult to understand tracking calorie structure (need to type in how many grams and it doesn't say the measuring units or what to do anywhere)
4	Negative weight	Starting the application	Click on create new account, fill out everything normal other than weight with negative values, click enter	Shouldn't let you	Fail, account gets created and you can log in. Result is negative bmi, negative calories per day. When you add Calories, the negative

					still left for the day number grows in the wrong direction. - 2100 goes to -2500.
5	Using same Name for 2 Accounts (2 people with same name)	Have an account exist with the same name	Click on create new account, fill out everything but name should be the same as one that already exists, click enter	Should let you and maybe offer a way to distinguish the two (birthdates for example or last name)	Fail, doesn't let you create the account. If two people have the same name they have to get creative themselves.
6	Negative height	Starting the application	Create a new account, fill out everything normal other than height, which should be negative, click enter	Shouldn't be possible	Fail, but at least it doesn't impact anything
7	Creating account without filling anything out	Starting the application	Create a new account, only add the 4 commas, press enter	Shouldn't be possible	Fail, an empty account field is shown, however you cant log in
8	Testing impact that Gender has	Create male and female accounts with exact same stats other than Gender	Login to male account and check the calories and bmi. Close app and reopen as the female account and check the calories and bmi. (cant logout of an account need to restart the app to do it)	There should be a difference in calories but same BMI	Fail, the male and female accounts both have the exact same calories, but at least the bmi is correct. (both same bmi)
9	Being able to logout or swap accounts	Being logged in	Log into an existing account, try to logout/swap accounts	Should let you give you the Option to return to the first screen	Fail, need to restart entire application
10	Adding recipe	Being logged in	Navigate to the recipe screen, try to enter recipe following the given instructions e.g. "[Proteinshake], [egg]-[500]"	Add new recipe	Fail, "value not numerical" output and textbox goes empty, recipe not visible anywhere

11	Add new food item	Being logged in	Navigate to the recipe screen, try to enter new food item given the instructions , press enter	Add new food item	Fail, nothing happens at all
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White-Box Test Cases

These additional test cases were defined during inspection of the code.

#	Test case (very brief description)	Preconditions (any required setup)	Test steps (steps executed during testing)	Expectation	Observation ("pass" or failure description)
1	readAccountMissingFile()	-	readAccount() is called with valid data and index but path to a missing file	It is expected that a FileNotFoundException is thrown and the output string to be empty	Fail,no exception is thrown
2	readAccountEmptyFile()	empty.csv in test resource folder	ReadAccount() is called however the file is empty	An error message is expected	Pass
3	readAccountEntry()	Need an existing account to read beforehand, in a editTest csv file	Add account in the setup , give in valid data (in this case reading height)	Give out the right height of the first person	Pass
4	editAccountExistingEntry	Need an existing account in the editTest csv file. Also need to setup accountindex beforehand	Use an account that's already added in the setup and edit its male entry to female, by typing the account index beforehand and calling the editaccount	Should be able to change from male to female	Fail, it doesnt change
5	addNewAccount()	Existing csv file for accounts	Add new valid account and test if adding the new account was successful	Give back a 1 as in account got added	Pass
6	addExistingAccount()	Existing csv file with account entry	same account is added to account csv file	Return value of the function should be -1 and the account shouldn't be added	Pass

7	addAccountWithInvalidData()	Existing csv file for accounts	String “,,,,,,,,” is added as new account	Return value of the function should be -1 and the account shouldn’t be added	Fail,Invalid account is added
8	ReadAllAccountsMissingFile()	-	Try to read the weight of all accounts from a missing file	Missing file exception should be thrown and error message should be added to function output	Fail, no exception thrown
9	ReadAllAccountsWrongKey()	Existing accounts csv file	Try to read all accounts of the account file with invalid data key	Illegal argument exception should be thrown	Pass
10	ReadAllAccountsWrongPath()	Existing food item csv file	Try to read all accounts from the food item csv	Illegal argument exception should be thrown	Fail no exception thrown
11	AddFoodItem()	Existing csv file for fooditems	Create a fooditem and use the addfooditem function on it	Should give back a 1, to confirm that a fooditem got added	Fail, food item doesnt get added
12	ReadAllFoodItems()	Existing csv file for fooditems	Add a foodItem to the file with addfooditem, then have the result as an observableListe<string> so we can call the readallfooditems() function	Should give back all fooditems, we only test the one we added now though with .get(2)	Fail, food items dont get read properly
13	SearchFoodItemNotFound()	Existing csv file for fooditems	Just need to search for a foodItem that doesn’t exist	Should give back a –1 for fooditems wasnt found.	Pass
14	SearchFoodItemFound()	Existing csv file for fooditems	Need to add a fooditem with addfooditem() and then search for it.	Should give back a 1 for fooditem was found	Fail, it doesnt give back the foodItem
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