Document for Activities 3 and 4

Test Plan (add additional rows as required)

Program language the product is to be produced in (tick box for language used):

Python ☐   C Family ☑

Test Number	Purpose of test	Test Data	Expected Result	Actual Result	Comments
1	Does the code progress when a correct gender is inputted	"M/F"	Code sets numbers to correlate with gender	Console Continues	Works for both genders.
2	What happens when an invalid input is entered	1	Asked to reinput gender	User asked to renter gender	Console displays error message and asks for a reinput
3	Dos the code progress when a valid weight is inputted	30-250	Code Continues to get the user to input height	Code Continues	Works for all integers in range
4	What happens when an invalid integer is entered	10	User asked to reinput weight	User asked to renter weight	Console displays error message
5	What happens when a string is entered	"s"	User asked to reinput weight	User asked to renter weight	Console displays error message
6	Dos the code progress when a valid height is inputted	120-210	Code Continues to get the user to input age	Code Continues	Works for all integers in range
7	What happens when an invalid integer is entered	12	User asked to reinput height	User asked to renter height	Console displays error message
8	What happens when a string is entered	"h"	User asked to reinput height	User asked to renter height	Console displays error message
9	Does the code progress when a valid age is entered	14-100	Code continues	Code Continues	Works for all integers in range
10	What happens when an invalid integer is entered	10	User asked to reinput age	User asked to renter age	Console displays error message

Test Number	Purpose of test	Test Data	Expected Result	Actual Result	Comments
11	Does inputting valid exercise option work	1,5	Code continues	Code continues	Accepts any integer between 1 and 5
12	What happens when an invalid input is entered	7	User asked to reinput option	User asked to renter option	Console displays error message
13	What happens when an invalid string is entered	"h"	User asked to reinput option	User asked to renter option	Console displays error message
14	Is BMI calculated Correctly	56	User shown their BMI correctly	Console displays correct BMI	
15	Is BMR calculated correctly	867	User shown their BMR correctly	Console displays correct BMR	
16	Is Kalorie intake outputted correctly	1445	User shown how many calories they should take per day	Users shown how many calories they should intake.	Based on other figures such as BMI
17	Does it output correct BMI category	Obese	Outputs BMI category	Outputs BMI category	Categories are based on BMI