

TASK 4 - Scenario walkthrough

For the scenario walkthrough, we will only be focusing on one functionality to show that the code can run. We will assume the user chooses the Analyze BMI functionality, which is one out of the 5 functionalities our system has.

Once the user clones the program to a local repository, they should first mark 'java' as the "Sources Root" and unmark it for any other folders. To start the program, the user will navigate to and run the file Main.java. Once the program runs, the Console will ask the user for their name, gender, height, weight, and age. After the information is inputted, the Console sends the information to RunCommand, which calls CreateUser to create a User item that stores this data. Then, the program will prompt the user to select a functionality/feature that they would like to choose. In this case, they will select the BMI function by inputting the command "1." The Console would pass this command to RunCommand, which creates a new BMIAnalyzer that will calculate the BMI. The BMI is both stored as an attribute of the User and outputted to the Console. In the Console, it will indicate whether this BMI value is considered "overweight", "underweight", "healthy", or "obese". The Console will then ask the user whether they wish to repeat this process again for a new user. They can indicate yes or no by entering "Y" or "N" respectively.