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SDEV 140

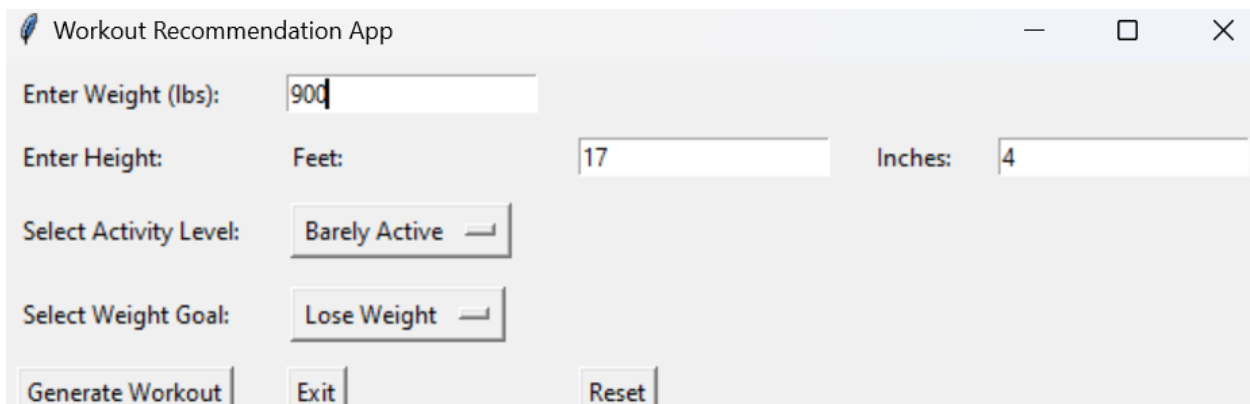
13 December 2023

### VivasKarlFinalProject.py Data Validation

#### Data Set Tested

I evaluated two potential data sets when evaluating the program's data validation

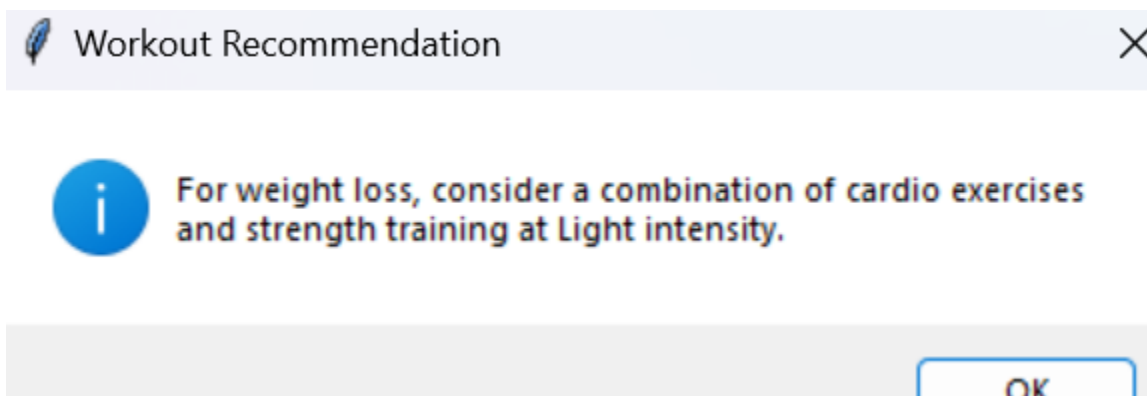
- The program was tested with abnormal height and weight input.
  - 900 pounds and 17'4 tall.

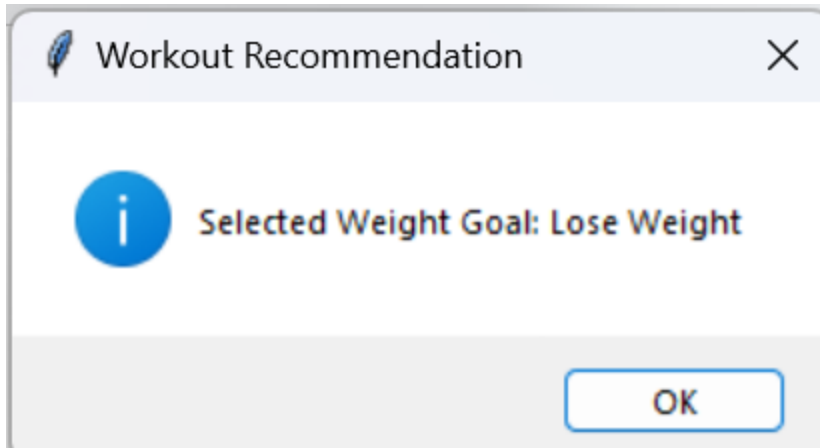


The screenshot shows a window titled "Workout Recommendation App". It contains the following input fields and buttons:

- Enter Weight (lbs):** A text box containing the value "900".
- Enter Height:** Two text boxes, "Feet:" containing "17" and "Inches:" containing "4".
- Select Activity Level:** A dropdown menu with "Barely Active" selected.
- Select Weight Goal:** A dropdown menu with "Lose Weight" selected.
- Buttons:** "Generate Workout", "Exit", and "Reset".

#### Results





It still recommended them something, which was not supposed to happen.

## Test 2

- Second test, I used an input of regular weight and height.
  - 176 pounds 6'1 tall

A screenshot of the "Workout Recommendation App" window. The window has a title bar with a feather icon and standard Windows window controls (minimize, maximize, close). The form contains the following fields and controls:

- "Enter Weight (lbs):" with a text box containing "176".
- "Enter Height:" with two sub-fields: "Feet:" with a text box containing "6", and "Inches:" with a text box containing "1".
- "Select Activity Level:" with a dropdown menu showing "Very Active".
- "Select Weight Goal:" with a dropdown menu showing "Gain Weight".
- At the bottom, there are three buttons: "Generate Workout", "Exit", and "Reset".

## Results

The program recommended the user correctly with the information is was suppose to output.



Workout Recommendation



For weight gain, include more strength training exercises and consume a calorie surplus at High Intensity intensity.

OK



Workout Recommendation



Selected Weight Goal: Gain Weight

OK