Phase 2 Source Code

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Phase 2 Evaluation:

Reflecting on the things that could be changed to better enhance the application for Phase 2, there were several additional modifications that were made to the application. There were cosmetic changes that were made to the templates, such as disclaimers and additional infographics to better inform the user of the data results. The Python code was changed to decrease the precision of the number that user was given by adjusting it to 3 decimal points for BMI and 2 decimal points for BMR. The code was altered and cleaned with added comments to provide a more stable version of the application. Unit Test were run again to ensure that any changes made to the code did not break any functionality of the application.

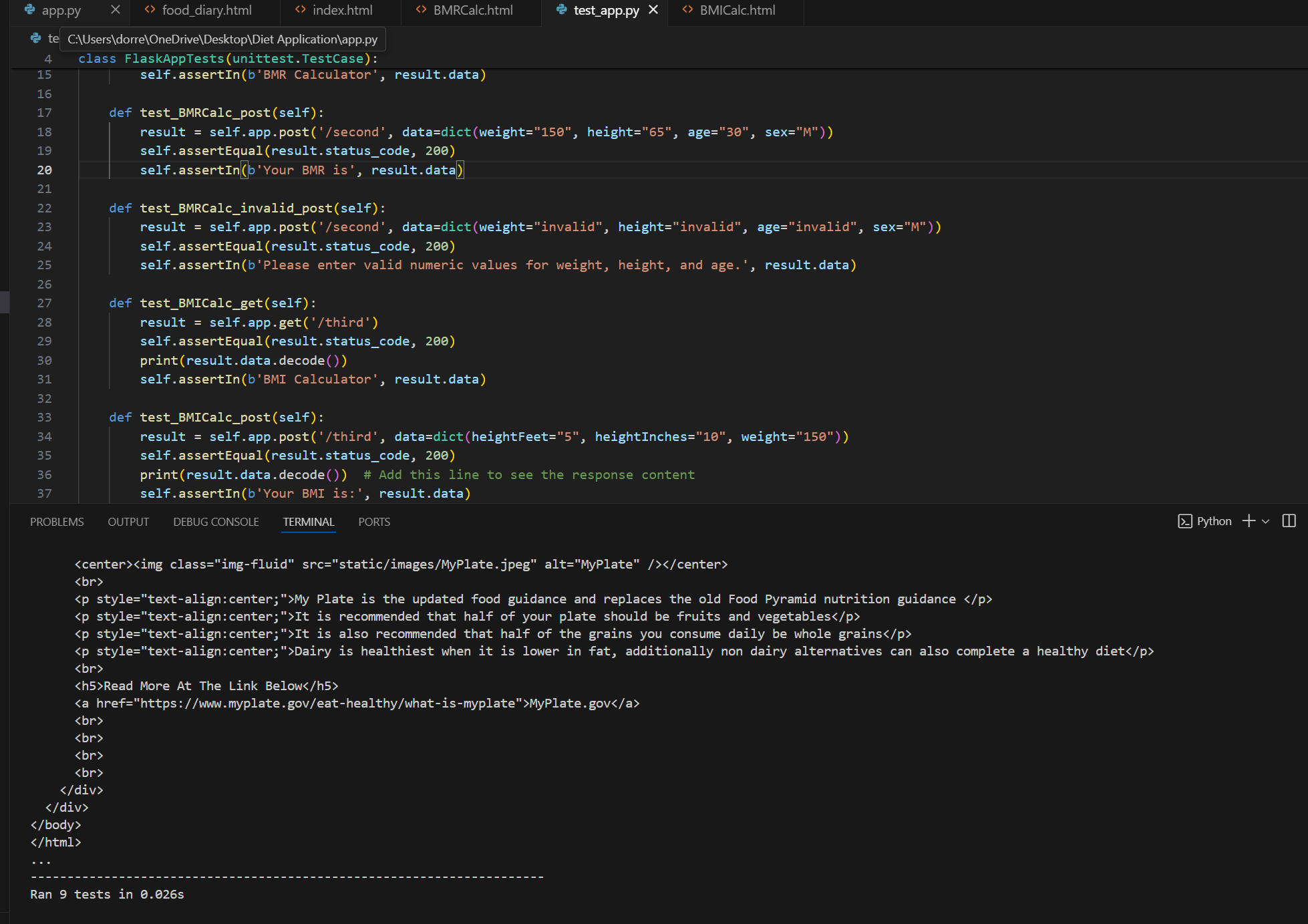


Figure 1: Unit Test of updated Flask Code.

A screen shot of a computer program

Description automatically generated

Figure 2: Updated Flask Code.

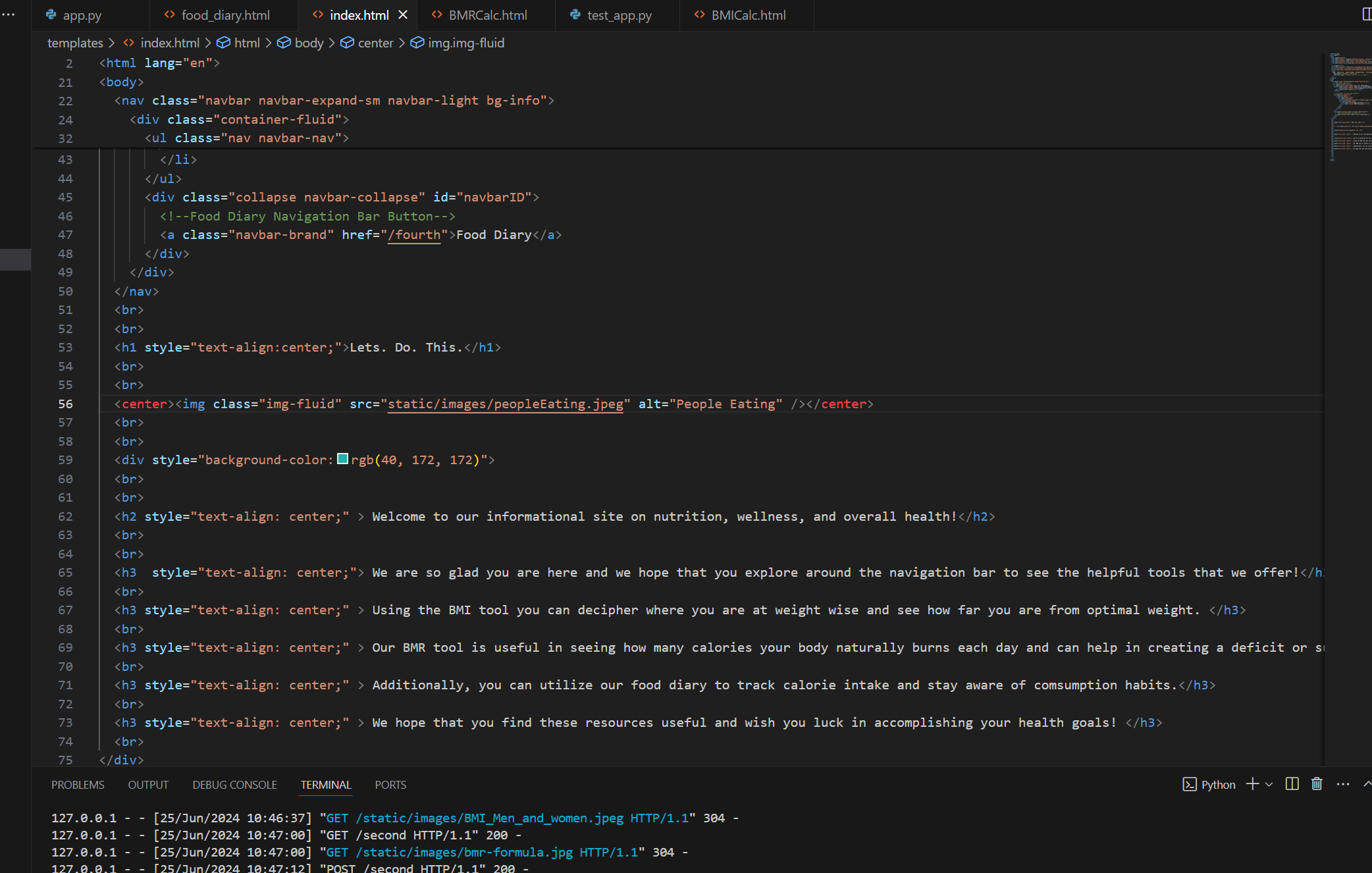


Figure 3: Updated index.html source code.

A screenshot of a computer screen

Description automatically generated

Figure 4: Updated index.html page for the Diet Application.

A screenshot of a computer

Description automatically generated

Figure 5: Updated BMICalc.html source code.

A screenshot of a computer

Description automatically generated

Figure 6: BMICalc.html page with successful BMI calculation updated to only show 3 decimal points with disclaimer and infographics.

A screenshot of a computer program

Description automatically generated

Figure 7: Updated BMRCalc.html Source Code.

A screenshot of a computer

Description automatically generated

Figure 8: BMRCalc.html page with successful BMR calculation updated to show only 2 decimal points with disclaimer and infographics.

A screenshot of a computer program

Description automatically generated

Figure 9: Updated food\_diary.html source code

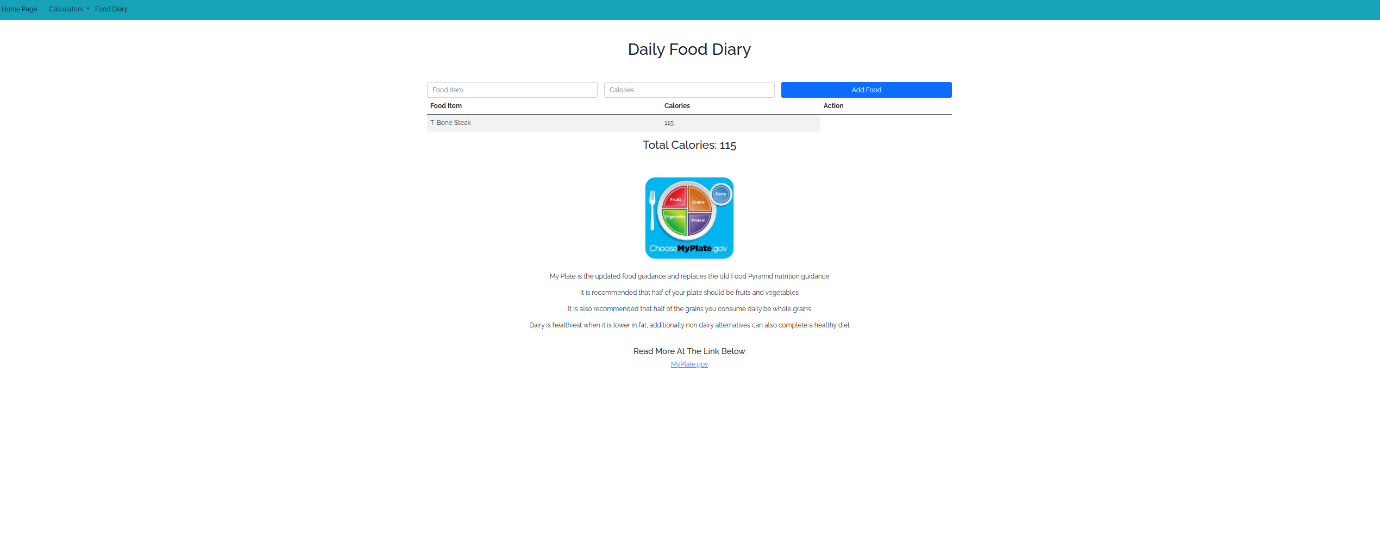


Figure 10: Update Food Diary page with infographics.

Conclusion: This program now functions effectively providing the wanted functionalities. The addition of infographics assists in providing the user with the information needed to interpret the data and provide a better understanding of the application data.