

Sequential Programming Exercise

To complete this exercise, download and unzip the AlwaysFresh.zip file located in the Resources folder, in this section of the course. This is the starter application. You will notice there is no navigation section for this exercise.

A flowchart or pseudocode for this application should be done prior to beginning to code the application.

Requirements

Write a web application that will assist restaurant patrons to calculate their share of an evening out. The application will deal with two patrons only. The user will enter a name for each person, the price of a main course for each person, and the price for a desert each person had as well as the price of a beverage for each person.

The application will provide information for the patrons to decide how to pay the check. All must be shown.

Each Person pays their own bill

The application will total up the bill for each person. When the total for each person is calculated a tax of 10% will be added to their bill along with a 15% tip based on the total price of the food and beverage. Do not include the tax when calculating the tip. This is the amount each person is to pay if the patrons decide to pay their own bill.

One Person pays for both

The application will also generate the total bill for both people. The total bill for both people will be calculated based on the total cost (main course, desert, and beverage) for each person before tax and tip. The total bill for both patrons will then have the tax of 10% applied, as well as the 15%. Keep in mind the 15% tip is based on the total food and beverage cost prior to the taxes being applied.

Evenly Pay (50% each)

In the event the patrons decide to pay the bill 50% each regardless of what they had to eat or drink the application will display the amount of money each patron will have to pay.

This application will be done similar to the last application in the video. The user will input the information into the index.php file. When the user clicks the Submit button, the values entered in the index.php file will be passed to the Reciept.php file which will do all the calculations and display the results.