

Calculators for Businesses – Assignment01

In this assignment, students will complete code to create a cost estimate calculator for a pizza party planning service.

Cheesy Pete's Pizza Palace is a restaurant that offers party planning services for groups of various sizes.

Customers can enter the number of guests, pizzas required, and additional party services to get a cost quote for their event.

Here are some important facts:

- There is a **flat booking fee** of \$30.00.
- **Pizzas** cost \$15.00 each.
- **Party Service Packages:**
 - **Basic Package** (decorations, tableware): \$50.00
 - **Premium Package** (Basic + balloons, party hats, and goody bags): \$100.00

Instructions

1. Setup

- Download assignment01.zip and place the assignment01 folder into your MIS2402 workspace.
- Start by editing pizzaparty.html.

2. Task Overview

- A. Your task is to correct the logic error(s) in the click event handler and complete the `getPizzaPartyQuote` function.
- B. The function you complete will return the total cost of the party. Function Logic follows:
 - The `getPizzaPartyQuote` function will take two parameters:
 - `pizzas`: the number of pizzas ordered.
 - `partypackage`: the type of party package selected (50 for "Basic", 100 for "Premium")
 - The function should calculate the total cost as follows:
 - That party package is already coming into the function as either "50" or "100" but you need to parse those strings as integers.
 - Multiply the number of pizzas by \$15.
 - Add the flat booking fee of \$30.
 - Add the cost of the selected service package.
 - Return the total cost of the party as a number.
- C. Communicate this total value back to the user by putting into the inner HTML of the tag with the id `textDisplayed1`. When you do that, be sure to convert the dollar value to a string and use concatenation to prefix the string with a dollar sign (e.g., "\$195.00").

- D. In the click event handler, you will also calculate the average cost per user and communicate that to the user as well. It too should end up looking like a dollar amount (e.g., "\$19.50"). This value gets put into the tag with the id textDisplayed2.

Advisory – Students are expected to complete this assignment, on their own, using the contents of PowerPoint presentations and ICAs used in Weeks 1, 2, and 3 this semester. You don't need if statements, and you don't need loops, and there is no reason to use AI to solve this. Give it a try, all by yourself. You can do it. (And, please take a second to review the "Academic Integrity" and "Style Guide" sections of the syllabus.)

3. Hints

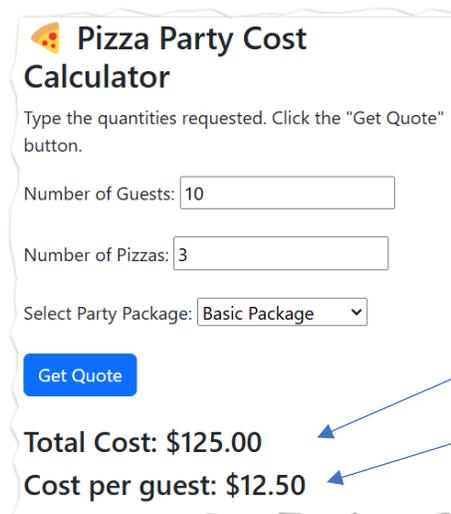
- Do not rename the parameters (guests, pizzas, partypackage).
- You don't need to handle error trapping in this assignment since we haven't learned about conditional statements yet.
- Make sure to test your work thoroughly to ensure the math is correct.
- Look in the start file for hints.

4. Testing

- Open pizzaparty.html in your browser.
- Verify that entering values into the input fields and clicking the calculate button provides the correct total cost.
- You also need to calculate the average cost per guest.

5. Submission

- Save your completed pizzaparty.html file.
- Upload the pizzaparty.html file to the Assignment 01 submission area on Canvas



Pizza Party Cost Calculator

Type the quantities requested. Click the "Get Quote" button.

Number of Guests:

Number of Pizzas:

Select Party Package:

Total Cost: \$125.00

Cost per guest: \$12.50

This is what properly formatted output looks like: \$12.50.