ITIS 3105 Server-Side Application & Data Management
Homework 01
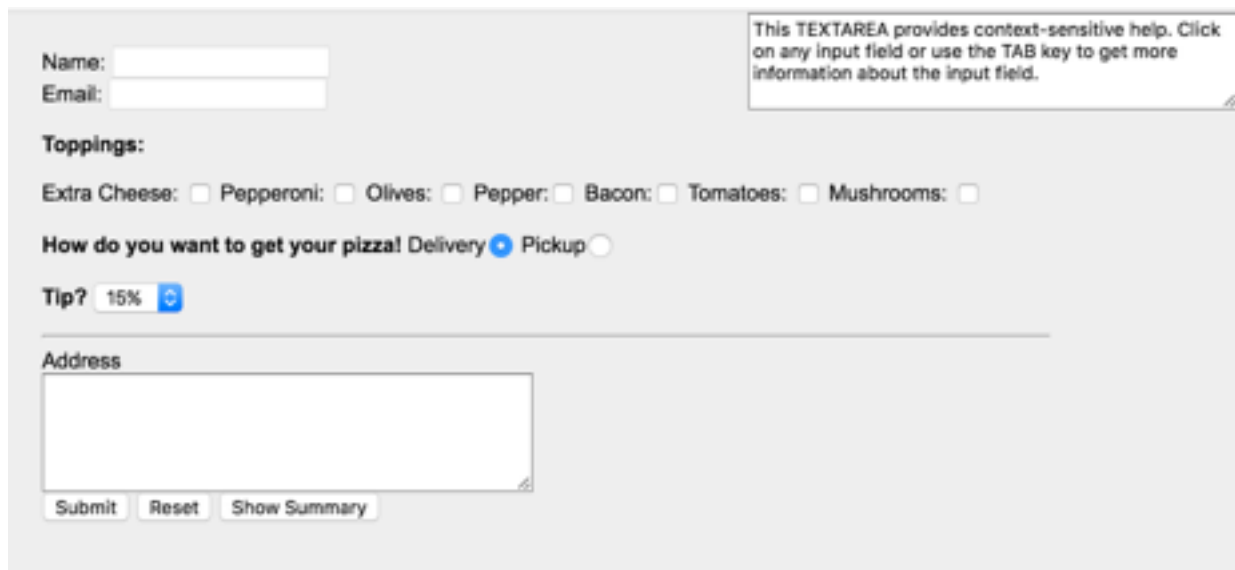
Basic Instructions:

1. In every file submitted you MUST place the following comments:
    a. Assignment #.
    b. File Name.
    c. Full name
2. Each group is required to submit the assignment on Canvas.
3. Please download the support files provided with this assignment and use them when implementing your project.
4. Submission details:
    a. The file name is very important and should follow the following format:
       800#_HW01.zip
    b. You should submit the assignment through Canvas: Submit the zip file.
5. **Failure to follow the above instructions will result in point deductions.**

Homework 01

In this assignment you will practice basic HTML, Javascript and CSS concepts. You are asked to build a page to order pizza! The page asks the user to enter information regarding the pizza order and then see a summary of what have been entered. The page is static HTML; however part of the page will be dynamically built as it will be explained below.

Figure 1: Default webpage layout

Page Layout (50 points)
The page consists of the following fields:
1. Customer Name & Email (Input fields)
2. Toppings Options (Check Boxes)
3. Delivery method (Radio Buttons)
4. Tip amount (Drop Down Menu), values are 15%, 20%, and 25%
5. Address (Text Area)
6. Action Buttons
7. Help Text (Text Area)
8. Summary of Order (Table)

All the fields are *static* fields except the last one (Summary Table) which is built based on the values entered by the user.

CSS is used to apply the following visual properties:
• Input fields width is 600px
• Font type: arial
• Font size: 80%
• Background: light gray (#eee)

- Margin: 20px
- Table even rows: background color light gray (#eee)
- Table odd rows: background color white (#fff)
- Table header row: background color black, font color white

Page Actions(50 Points)

This page should implement the following actions (see Figure 2):

1. The Help Text (Field # 1 in Figure 2) is responsible of showing a Hint message to explaining information about the field that is currently focused (cursor is on the field). If there is no focus on any field, display a default hint message. Messages are displayed on (Table 1).
2. Submit Button should check that all fields are filled otherwise display an error message indicating that there exist missing values.
3. Clear All: Clear All fields.
4. Show Summary: This button is initially disabled. It is enables only when submit button is pressed and all fields values are valid. Clicking this button should build the Summary Table (see #2 in Figure 2). The table will summarize the pizza order

Figure 2: Page in action

based on what have been filled. The table should show:
- Customer Name
- Customer Email
- Customer Address
- Toppings selected
- Delivery option
- Total Price based on this formula: (base price + 1.5 * #of toppings + delivery fee)*1.0+tip. Where: base price= 10 and delivery is 5. For example, if 3 toppings are selected, delivery is NOT checked and 20% tip is selected, total is

$$(10 + 1.5 * 3 + 0) * 1.2 = \$17.4$$

Field	Hint Message
Customer Name	"Enter your name as you want it to appear on the bill."
Customer Email	"Enter your email address in the format user@domain."
Address	"Enter Address for shipping"
Submit Button	"Submit Order"
Clear All Button	"Clear All"
Default (None is selected)	"This is to provide context-sensitive help. Click on any input field or use the TAB key to get more information about the input field."

Table 1: Hint Messages for the fields