Cairo University
Faculty of Engineering
Computer Engineering Dept.
CMPN425

Requirement #1
HTML + CSS + Javascript

Fall 2022

Imagine you are designing web page for reserving the tickets of the FIFA World Cup 2022. The sponsors gave you a sample design to follow as shown in figure 1.

- **Scenario of reserving tickets:**
  - When the user clicks on "Add ticket" beside any of the categories; the ticket is added to the cart and a message should be displayed to the user says "Ticket is added successfully :)"
  - Feel free to choose the appropriate way to keep track the tickets in the cart.
  - The user can order one or more tickets of the same category.
  - After the user finishes his reservation, he will click on "Checkout" button. At that time, you need to show the bill in a message in the format shown in figure 2.
  - If the user wants to delete the whole cart, he will click on "Delete Selections" button. At that time, the cart should be completely empty, a message should be displayed to the user says "Tickets are deleted successfully :)", if your cart is already empty then a message should be displayed to the user says "Your cart is already empty :)"
  - (bonus 1 mark)If you move over a button or click a button, the background color of that button should be changed to a lighter tone of the color, as shown in figure 3.
- **Assume that the categories are fixed (i.e. no categories in fig 1 will be added or removed and no prices will be changed)**
- **Formatting**
  - Use external CSS file
  - You're not required to use the same widths and heights, nor the same colors we're just giving you a hint.
  - The header contains the cover photo named "fifa-tickets.jpg". To make it fit in your page; use the style "height: 100%; width: 100%"
  - The items format is as follows:
    - → Name: text-align:center, color:Orange, and font-size:30px
    - → Description: default format for paragraphs
    - → Price: color:Green, and font-size:20px
    - → Picture: "category1.png", " category2.png", " category3.png", and "category4.png" use height: 200px, and width: 200px
    - → Buttons: background color: #661226, for hover background-color: #E390A3.

- Assume any unstated formatting by looking in figure 1.
- **JavaScript code:**
  - You can put your script in the head section or in an external JavaScript file.

Category 1

Category 1 seats being the highest priced and located in prime areas within the stadium.
Price: 12,000 L.E

Add ticket

Category 2

Located primarily in the corners of each stadium.
Category 2 tickets balance good views of the action at the 2022 FIFA World Cup with affordability.
Price: 11,000 L.E

Add ticket

Category 3

Category 3 seats are located behind the goals, and are the most affordable tickets available at the 2022 FIFA World Cup for non-Qatari residents.
Price: 8,000 L.E

Add ticket

Category 4

Category 4 is reserved exclusively for residents of Qatar.
Price: 7,000 L.E

Add ticket

Checkout   Delete Selections

Fig.(1): Reserving Tickets Page

This page says

Ticket	Price	Qty.
Category 1 Opening Match	12,000	1
Category 2 Opening Match	10,000	1

Total Amount: 22000

OK

Fig.(2): Bill Message

Add ticket

Add ticket

Bonus: (1 mark)

Fig.(3): When the mouse moves over a button

Grading Criteria (for instructors only):
HTML (3 marks)
→ The document structure is correct (head, body, header, ...)   [1]
→ The content of the page is correct even if it is without format   [1]
→ Button html syntax is correct   [1]

CSS (3 marks)

  → Uses external CSS file for formatting items [1]

  → The overall view look like the sample   [2]

JavaScript (4 ma selected rks)

  → The script in functions (not in body)   [1]

  → Functionality of keeping track of the reserved tickets [1]

  → Computing the Total amount and printing the bill [1]

  → The Delete button empties the cart, and when the cart is already empty it gives us an alert[1]