

BİM222 - INTERNET PROGRAMMING - HOMEWORK 2

In this assignment, you must implement a reservation system for a movie theater saloon using HTML, CSS, and JavaScript. The system will consist of three parts: the **left part**, where users can enter their information; and the **center part**, where the admin can set up the seating arrangement; and users can select seats, and the **right part** contains the reservation information.

Left Part (User Input):

- Users must fill out a form with their name, surname, email address, phone number, and age (all fields must be required, and appropriate inputs must be checked).
- Upon submission of the form, a user object will be created with the provided information, a user role, and the ticket price as properties, and the current user will be set.
- When the current user is setting if the provided email address matches "admin@admin.com", the user's role will be set as admin; otherwise, it will be set as a user.
- After the current user is set, the right part of the page becomes active.

User Information

Name:

Admin

Surname:

Manager

Email:

admin@admin.com

Phone:

0508 258 36 58

Age:

26

Submit

Center Part

Admin Interface

- If the current user is an admin, he/she can set the number of rows and columns for the seating arrangement.
- Upon clicking the "Set" button, a matrix representing the seating arrangement will be generated, with each cell representing a seat in the saloon.
- Initially, all seats will be empty.

User Interface

- If the admin has not set the saloon seatings, the user interface must be empty.
- When the seating matrix is created, the user can see and select available seats.
- Selected seats will turn green, indicating they are reserved by the current user. Clicking a selected seat cancels the reservation for that seat and makes the color default.
- Hovering over a selected seat will display a tooltip containing the seat's price information.
- Seat price can be determined as follows:
 - $(0 \leq \text{Age} < 18) \rightarrow \10
 - $(18 \leq \text{Age} < 26) \rightarrow \15
 - $(26 \leq \text{Age} < 65) \rightarrow \25
 - $\text{Age} \geq 65 \rightarrow \10

Right Part

- Contains the reservation details: Current user's name, surname, selected seats, and total price.
- A "Confirm" button ends the reservation and displays a pop-up that contains reservation information.

User Information

Name:

Surname:

Email:

Phone:

Age:

Submit

Admin Interface

Number of Rows:

5

Number of Columns:

5

Set

User Interface

A1

B1

C1

D1

E1

A2

B2

C2

D2

E2

A3

B3

C3

D3

E3

A4

B4

C4

D4

E4

A5

B5

C5

D5

E5

\$25

Selected Seats

Admin Manager

B2

C2

D2

Total Price: \$75

Confirm Selection

This page says

Dear Admin Manager

B2

C2

D2

Total amount is \$75

Would you like to complete your purchase?

OK

Cancel

Admin Interface

Number of Rows:

5

Number of Columns:

5

Set

User Interface

A1

B1

C1

D1

E1

A2

B2

C2

D2

E2

A3

B3

C3

D3

E3

A4

B4

C4

D4

E4

A5

B5

C5

D5

E5

Selected Seats

Admin Manager

B2

C2

D2

Total Price: \$75

Confirm Selection

Some Important Notes

Note 1: This is NOT a group assignment. It should be done individually.

Note 2: Copying/Giving any portion of your homework solution from/to other student(s) will mean getting 0 as a score.

Note 3: No homework will be accepted by e-mail or after the deadlines!! Please do NOT send any work by e-mail..."

Note 4: Projects that do not work completely will receive "0" points.

Note 5: Use HTML, Javascript, and CSS codes only.

Note 6: Use Sublime, Notepad, Notepad++, etc., to write the codes of your pages. DO NOT use another program to create these files. These files should be edited as pure HTML, not including extra control codes inserted by other programs, such as Word.

Note 7: The screenshots above are given as examples of the corresponding web pages. To get higher grades, you must enrich your site's content as much as possible.

Note 8: You must submit all your work (HTML, CSS codes, photos, i.e., what is necessary to see/run your work) through ESTUOYS by **Tuesday, May 28, 2024, at 23:59**.