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🔔 Beela Sampath ▾

🎮 Dashboard / Primer 2.0 - App Dev / Stage 1 / Web Technologies / JavaScript

Practice program: Concert Ticket Booking

Code Editor   Grading view

Problem Description:

Elektra Waves is a team of brilliant musicians who perform concerts in the city. Since Elektra Waves gets numerous bookings, they want to automate their bill payment - as processing bills manually take an enormous amount of time. Help them to design a web page for the same and to calculate the ticket charge for a customer. On submitting the details, the message on ticket charge has to be displayed on the same page as shown in the screen shots below.
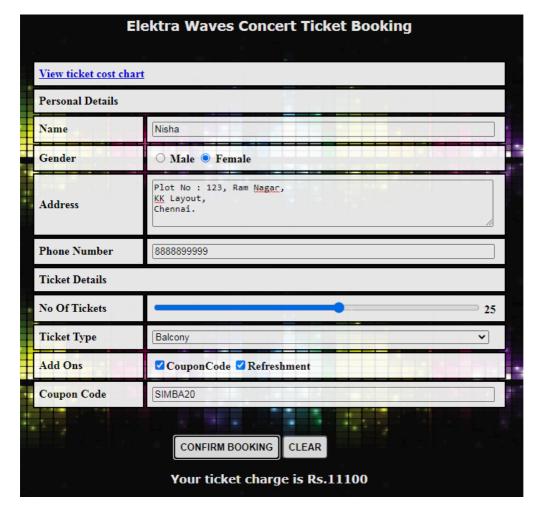
Screenshot 1: Plain web page

To the right bottom of the web page is a simple cost chart table, as given below.

Ticket Cost Chart

Ticket Type	Base Price	On Booking more than 20 tickets	On applying coupon code
Floor	400	10% discount	2% discount
Balcony	500	10% discount	2% discount
* You must pay Rs.100 extra on choosing Refreshment!			

Screenshot 2: On confirming the booking of 25 balcony tickets & on availing benefits that include refreshment and coupon code, the output screen must look like below :

Elektra Waves Concert Ticket Booking

View ticket cost chart

Personal Details

Name	Nisha
Gender	○ Male ● Female
Address	Plot No : 123, Ram Nagar, KK Layout, Chennai.
Phone Number	8888899999

Ticket Details

No Of Tickets	————————●———— 25
Ticket Type	Balcony ▾
Add Ons	☑ CouponCode ☑ Refreshment
Coupon Code	SIMBA20

CONFIRM BOOKING   CLEAR

Your ticket charge is Rs.11100

Use Label Name and Component Id as given. All the necessary attributes for the Components should be given. If the Component Id is not provided for an HTML component, marks will not be provided for that component. All Tags, Elements and Attributes should conform to HTML5 standards.

Label Text	Component Id (Specify it for the "id" attribute)	Description
	Use "costchart_ref" as the id for the View ticket cost chart component.	Specify a href holding the hyperlink. "#costchart" (links to ticket cost chart)
Personal Details		
Name	name	To enter the name of the customer. Constraints: • It should be mandatory. • Use type="text" • should accept the alphabets and space only. • The text "*Enter your name*" should appear by default.

Gender	Use "male" and "female" as the component ids and values for the radio buttons.	To select the gender. **Constraints:** • The name of the radio buttons pertaining to male and female is ' gender'. • Both components are mandatory.
Address	address	To enter the address. **Constraints:** • Provide the correct tag and attributes to create a text area with 4 rows and 50 columns. • It should be mandatory. • The text "*Enter your address"* should appear by default.
Phone Number	phoneNumber	To enter the phone number. **Constraints:** • Use type="tel". • should accept the 10-digit mobile number to start with either of the following numbers: 7,8 or 9. • The field is mandatory. • The text "*Enter your phone number"* should appear by default.
Ticket Details		
No Of Tickets	noOfTickets	To select the no of tickets. **Constraints:** • Provide the correct input type to make this component a range slider • min value 5 and max value 40 and step value as 1. • It should be mandatory.
Ticket Type	ticketType	To select the ticket type. **Constraints:** • Use a drop down box with "Floor" and "Balcony" as the options and option-values.
Add Ons	Use "couponCode" and "refreshment" as the component ids	To select the add-ons preferred. **Constraints:** • The names of checkboxes pertaining to the 2 options is 'addOns'. • Values are 'CouponCode' and 'Refreshment'.
Coupon Code	cc	To enter the coupon code. **Constraints:** • Use "text" as input type. • An auto-complete feature should be available to the user for the following option-values."ELEKTRA20", "SIMBA20" • The Id of the auto-complete feature should be "couponCodes". • Use DataList to make use of the auto-complete feature • It should be mandatory.
	submit	Submit button to submit the form **Constraints:** • The input type should be "submit" • The value should be ' CONFIRM BOOKING'
	clear	Clear Button to clear the form **Constraints** • The input type should be "reset" • The value should be 'CLEAR ' • On clicking this button, all fields should be reset.

Use JavaScript to calculate and display the total payable amount where JavaScript functions were partially implemented:
The JavaScript function **costCalculation()** must get invoked **on clicking CONFIRM BOOKING,** after making valid entries on the web page. The function must collect the number of tickets booked, the type of the ticket booked & the additional benefits availed and calculate the total cost accordingly.

If the ticket type chosen is: Floor, the base price is Rs.400.

If the ticket type chosen is: Balcony, the base price is Rs.500.

If the number of tickets purchased is more than 20, apply a 10% discount on the total.

On availing the coupon code, apply a 2% discount in the total.

Add Rs.100 to the total, on choosing refreshment.

Total = no of tickets * base price (apply discount if applicable) + 100 (on choosing refreshment). **Refer to the ticket cost chart.** Display the total ticket cost at div with id "**result**" as: Your ticket charge is Rs.**<total price in rounded format>**

Note :

 Use the method getElementsByName() & getElementById() to retrieve values out of the components. Please, do not use let in variable initialization. Instead, use the var.

Do not use ES6 commands.

Do not use console.log() to print any kind of output/message on the console unless it is mentioned in the given description. In case if it is used for debugging purpose, comment it before performing code evaluation.

◀ **Alliteration**

Jump to...

Post-Quiz ▶