

Create Booking History

Advance Web Development

Time: 60 mins

Introduction

In this class, the student/s will populate the booking summary for bookings on the booking history page.

JavaScript Commands & DOM Methods Introduced

- `document.createElement("div");` Dynamically creates an HTML element with the specified property or styling.
- `container.setAttribute("class", "card h-100 booking-history-card text-light p-4")` Sets the attributes for a dynamic HTML element
- `container.appendChild(summary);` Appends a summary element as the last child of the container element

Vocabulary

- **Dynamic HTML elements** can be used to populate the webpage based on the information provided by the user.

Learning Objectives

Student/s should be able to:

- **Recall** checking local storage and creating JavaScript Objects
- **Explain** creating a booking history summary.
- **Explain** creating dynamic HTML elements.
- **Display** booking summary details on the Booking History webpage.

Activities

1. **Class Narrative:** (2 mins)
 - Brief the student/s about the functionality to book a game slot can be reflected on the booking history webpage.
2. **Concept Introduction Activity:** (5 mins)

- Let the student/s play the explore-activity and observe that the booking summary for each booking is displayed as a card.
- Using the slides, explain how:
 - Check Booking History
 - Create Booking History Summary
 - Display Booking Summary

3. Activity 1: Check Booking History: (8 mins)

Student Activity: (8 mins)

- Recall how to check if the booking details of the current user exists.
- Guide the student/s to check if the booking details of the current user exists and print it within the loadBookingHistory() function and call the function.
- Ask students how can we identify if the booking history for the current history doesn't exist.
- Guide the student/s to add a notification alert as "No Booking History Found".

4. Activity 2: Create Booking History Summary: (12 mins)

Teacher Activity: (6 mins)

- Explain to the student/s that to store the booking detail of the current user which has multiple key value pairs in a variable and display the booking detail summary on console.

Student Activity: (6 mins)

- Guide the student/s to display the current user booking history for each booking detail on the console.

Probing question: How can we store the key-value pairs?

Expected answer: We can iterate through each index and store it using a for loop.

5. Activity 3: Display Booking Summary: (10 mins)

Teacher Activity: (5 mins)

- Make the students notice how booking details are displayed on the booking history webpage.
- Ask how we can create HTML page with updating values and lead the student/s to think on use of both JS and HTML to create the dynamic HTML elements for the web page.
- Explain to the students how dynamic HTML elements can be used and elements can be appended to create the booking history web page.

Student Activity: (5 mins)

- Summarize the creation of containers and add elements to display the booking history summary.
- Guide the students to booking summary content for each booking details on the card. Also ask students to perform calculations and display the total booking price as shown.

6. Introduce the Post class project: (2 min)

- Complete the code to add the order history for the Volt Mills Vender once the user orders product/s.

7. Test and Summarize the class learnings: (5 mins)

- Check for understanding through quizzes and summarize learning after respective missions.
- Summarize the overall class learning towards the end of the class.

8. Additional activities:

- Encourage the student/s to add a Book Now button if no history is found in Booking history and link it to slot booking.
- Encourage the student/s to add a button to cancel the booking once a game slot is booked.

9. State the Next Class Objective: (1 min)

- We will learn to create a 3D game character in a VR world.

U.S. Standards:

CSTA STANDARDS: 2-AP-11, 2-AP-12, 2-AP-13, 2-AP-14, 2-AP-19

Links Table		
Activity	Activity Name	Link
Class Presentation	Create Booking History	https://s3-whjr-curriculum-uploads.whjr.online/7257c70a-2d77-4a42-80b5-47ab727a78d6.html
Explore Activity	Create User Account: Explore-activity link	https://tynker.com/code/view/63d7c198d97039399803f492/
Student Activity 1.1	Check Booking History	https://tynker.com/code/project/63d7ca7984600e64ff47ef22
Teacher Reference: Student Activity 1.1 Solution	Check Booking History - Solution	https://tynker.com/code/project/63d7c0808350847bbf25f5a2
Student Activity 1.2	Add a Notification Alert	https://tynker.com/code/project/63d7c9110bb5cf2baa0e86c2
Teacher Reference: Student Activity 1.2 Solution	Add a Notification Alert - Solution	https://tynker.com/code/project/63d7c1076df350220b0b7402
Teacher Activity 2	Create Booking History Summary	https://tynker.com/code/project/63d7c8387e37673aec244c52
Teacher Activity 2 Solution	Create Booking History Summary - Solution	https://tynker.com/code/project/63d7c146166f9c48f82e5c92
Student Activity 2	Create Booking History Summary	https://tynker.com/code/project/63d7c82bbf057d2de00ae587

Teacher Reference: Student Activity 2 Solution	Create Booking History Summary - Solution	https://tynker.com/code/project/63d7c15773fd2f55044361e2
Teacher Activity 3	Display Booking Summary	https://tynker.com/code/project/63d7c632516eed362c54a322
Teacher Activity 3 Solution	Display Booking Summary - Solution	https://tynker.com/code/project/63d7c18002c6b56d30535152
Student Activity 3	Display Booking Summary	https://tynker.com/code/project/63d7c423bdc94a5c2e5cd762
Teacher Reference: Student Activity 3 Solution	Display Booking Summary - Solution	https://tynker.com/code/project/63d7c198d97039399803f492
Student's Additional Activity 1	Add Book Now Button	https://tynker.com/code/project/63ca166d3ee1261abd2c56d2
Teacher Reference: Student's Additional Activity 1 Solution	Add Book Now Button - Solution	https://tynker.com/code/project/63c92610acabbb735e09ecc2
Student's Additional Activity 2	Add Cancel Booking Button	https://tynker.com/code/project/63ca19652e16205229234e62
Teacher Reference: Student's Additional Activity 2 Solution	Add Cancel Booking Button - Solution	https://tynker.com/code/project/63c90d9240a0aa63344ad712
Post Class Project	Add Order History for a Vendor	https://tynker.com/code/project/63ca19652e16205229234e62
Teacher Reference: Post Class Project Solution	Add Order History for a Vendor - Solution	https://tynker.com/code/project/63dcd63591afa04f6c6d16c2