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For my final project, I decided to create an ice cream shop page. Users can click on each ice cream square button to read the details, update the price, and delete the ice cream. Also, on top of the screen, users can create/add their own ice cream.

**Create**

For Create I wanted users to enter their own ice cream flavor, price, and calories.

For the code, I added a button right below the header. Then, in my .js file I added a click event to help display the info of the details the users are going to input when they click the button to create a new ice cream.

<p>Use the Create button to add your own Ice Cream!</p>

<button id="createIceCream">Create New Ice Cream</button>

$("#createIceCream").on("click", function() {

$("#infoDisplay").html(`

<p>Enter details for the new ice cream:</p>

<p>Flavor: <input type="text" id="newNameInput" /></p>

<p>Price: $<input type="text" id="newPriceInput" size="4" /></p>

<p>Calories: <input type="text" id="newCaloriesInput" size="4"/></p>

<button id="saveNewIceCream">Save New Ice Cream</button>

`);

I also added a save button and an event handler, so when the button is clicked it will add a new ice cream object to the array. Then, I append the button and reattach the click event.

$("nav ul").append(`

<li>

<button id="${newId}" class="icecream">${newName}</button>

</li>

`);

$(`#${newId}`).on("click", function() {

let clickedId = $(this).attr("id");

let icecreamInfo = icecream.find(ic => ic.id === clickedId);

I also added an alert so the user will know that the new object has been created.

alert(`New Ice Cream ${newName} Created!`);

**Read**

To read the details on this site, the user will have to click on an ice cream image so it will display the details.

For the code I used a click event handler to help display the details of the ice cream and retrieve the id of the clicked button to help find the corresponding ice cream object in the array.

$(".icecream").on("click", function() {

let clickedId = $(this).attr("id");

let icecreamInfo = icecream.find(ic => ic.id === clickedId);

if (icecreamInfo) {

let infoDisplay = $("#infoDisplay");

infoDisplay.html("");

infoDisplay.append(`

<p>The flavor of the ice cream is ${icecreamInfo.icecream\_name}, it costs $<input type="text" id="priceInput" value="${icecreamInfo.price}" size="4" />, and it has ${icecreamInfo.calories} calories</p>

<button id="saveButton">Save/Update Price</button>

<button id="deleteIceCreamButton">Delete Ice Cream</button>

`);

**Update**

The user can update the price of the ice cream when the user clicks on the ice cream image to display the details, which includes the price.

The code I did was to append the content, then I added an input text field for the price, and added a save button for when the user is done updating the new price, they can click the save.

infoDisplay.append(`

<p>The flavor of the ice cream is ${icecreamInfo.icecream\_name}, it costs $<input type="text" id="priceInput" value="${icecreamInfo.price}" size="4" />, and it has ${icecreamInfo.calories} calories</p>

<button id="saveButton">Save/Update Price</button>

I then attached an event handler to the save button, then retrieved the new updated price by the id, updated the ice cream object, and lastly had an alert that told the user the price had been updated.

$("#saveButton").on("click", function() {

let newPrice = $("#priceInput").val();

icecreamInfo.price = newPrice;

alert(`Price updated to $${newPrice}`);

});

**Delete**

Users can go delete/remove an ice cream object by clicking on the ice cream image. It will then display a Delete Ice Cream Button for that specific ice cream object. Both the ice cream info and the image will be removed from the page.

The code I added was an event handler for the delete ice cream button and I also added an alert to let the user know the object had been removed. I also cleared the info displayed for when it gets deleted and then lastly, I removed the ice cream image button from the DOM.

<button id="deleteIceCreamButton">Delete Ice Cream</button>

$("#deleteIceCreamButton").on("click", function() {

alert(`${icecreamInfo.icecream\_name} has been removed`);

infoDisplay.html("");

$(`#${clickedId}`).parent().remove();

});