Technical Features of “Kindness Cup”

Product Documentation

System Documentation

Compatibility:

Devices: Mac

Browsers: Chrome

Additional Hardware: Trackpad, Mouse, Keyboard

Currently NOT Compatible/Untested On:

Devices: iPhone, Android, other handheld devices, Linux, PC

Browsers: Firefox, Opera, Safari, literally every other browser except for Google Chrome

Files

The files use the languages HTML, CSS and JavaScript. The central file (the webpage) is “index1.html”. The linked styling is “major.css” in a folder called "css". The JavaScript file is "major.js" in a folder called "js".

There is also an images folder which contains all the images used in the website.

“major.js” is for all variables and functions used on the website. It is formatted into sections regarding the purposes, such as the displaying the menu, collecting the order, displaying information about the café, displaying the correct page according to the navigation bar, sorting and displaying the menu in a certain order, the menu search bar and finalising the food and drink order.

Functions

There are many functions present within the program – Each working with specific HTML divs and other HTMLparts in order to create a functioning site.

Navigation Bar

* “resetActiveNav” is a function to reset the Navigation bar (HTML File <div class="topNav" id="navigationBar">) when changing pages.
* When single/left-clicking on "#homeTab" (div) in the navigation bar, a local function hides the rest of the divs linked to the other pages on the HTML "navigationBar" and shows the "#homePage" div
* When single/left-clicking on "#ourMenu" (div) in the navigation bar, a local function hides the rest of the divs linked to the other pages on the HTML "navigationBar" and shows the "#viewMenu" div
* When single/left-clicking on "#orderForm" (div) in the navigation bar, a local function hides the rest of the divs linked to the other pages on the HTML "navigationBar" and shows the "#orderHere" div
* When single/left-clicking on "#aboutCafe" (div) in the navigation bar, a local function hides the rest of the divs linked to the other pages on the HTML "navigationBar" and shows the "#aboutUs" div

Home Page

* There are no functions that impact the homepage other that showing and hiding the "#homePage" div with the Navigation bar

Menu Page

* "getFood" is a function that retrieves the menu items from the linked database (see Database section in Variables)
* Within "getFood", there is a local function that creates the HTML divs of each item in the database on the screen.
* "selectionSort" is a sorting function that organises the array that displays the menu, so the menu can be displayed in price order from cheapest to most expensive. By using the selector "sortMenuBy" and changing the field selected, the function also reverse sorts the array when option "highLowPrice" is selected
* "linearSearch" is a search function that is activated by a click function. When "#timeToSearch" is clicked, the input from 'searchBar' is retrieved as a string and stored in variable "searchTerm". It then moves through the database to see whether there is a match in the array. Whilst going through the array, if an object in the array matches the search term.

Drink Order Form Page

* "loadCoffeeTypes" takes the records from arrCoffeeTypes and displays them in a selector div "#coffeeType" so that the user can select what type of coffee they would like to purchase
* "loadMilkTypes" takes the records from arrMilkTypes and displays them in a selector div "#milkType" so that the user can select what type of milk they would like their drink to be made with
* "loadSize" takes the records from arrSize and displays them in a selector div "#size" so that the user can select what size drink they would like
* "loadTempLevel" takes the records from arrTempLevel and displays them in a selector div "#tempLevel" so that the user can select how hot or cold their drink it
* There is a local click function with a button div "#completeOrder" that finalises the drink order by displaying the selector fields of the previous selector divs mentioned as a way to print the order to the business, including inputs from "customerName", "customerPhone" and "sugars" input divs, and the highlighted option in the radioboxes of "decaf", "noDecaf", "paymentPaperMoney" and "paymentOnlineMoney".

About Page

* There are no functions that impact the about page other that showing and hiding the "#aboutUs" div with the Navigation bar

Final Order Page

* "displayFinalFoodOrder" is a function that displays all the food ordered by the customer in a div called "#fullFoodOrderArray"
* "displayFinalDrinkOrder" is a function that displays all the drinks ordered by the customer in a div called "#fullDrinkOrderArray"

Variables

All variables and elements use camel case except for the case of single word variables such as "i", "response", "settings" and "apikey"

Arrays

All arrays bar one start with the prefix “arr”.

* arrFoods is an array that stores the responses from the linked database
* arrCoffeeTypes is an array that stores all of the types of coffee/barista made drinks that the café serves
* arrMilkTypes is an array that stores all of the different types of milk that are available at the café.
* arrSize is an array that stores all of the different sizes of drinks that the café serves
* arrTempLevel is an array that stores all of the different temperatures a drink can be served at
* arrFullFoodOrder is an empty array that will store the final food order once it has been placed by the customer
* arrFullDrinkOrder is an empty array that will store the final drink order once it has been placed by the customer
* Settings is an array that stores the settings for the database so that the database can be retrieved

Boolean

* There are no boolean variables in this program

Strings

* foodUrl is a variable that stores the database hyperlink
* Apikey is a variable that stores the apikey to the database as a string since storing it as an integer would cause errors
* Response is a variable that stores the database inside it
* searchBarTerm is a variable that stores the value of "searchBar" on the menu page
* tempString is a variable used in each of the loading functions to store the option from the array so it can be added as an option in the html selector

Integer

* "i " is a repeatedly used variable to store the place in an array when using *for* loops in functions
* min is used in the selectionSort to determine the minimum value of each product on the menu (in the database)
* "j " is used in the sorting algorithm to represent i+1 (so as to avoid any errors and debug the sort when it was not working)
* temp is used to temporarily store the index place in the array

Databases

The game uses one database with one multi-fielded collection. This collection is called Menu Items, and it stores all the items available on the menu of the café. The different fields are:

* itemName: The name of the item on the menu
* itemCategory: the category of the item on the menu
* Item-description: a brief description of what the item is made up of
* Ingredients: all of the ingredients that make up the recipe of the menu item
* Allergen-flags: any possible allergies that appear in the recipe of the menu item
* Calorie-count: how many calories the menu item contains
* Price: how much the menu item costs in the cafe