

Web Application Development Assignment

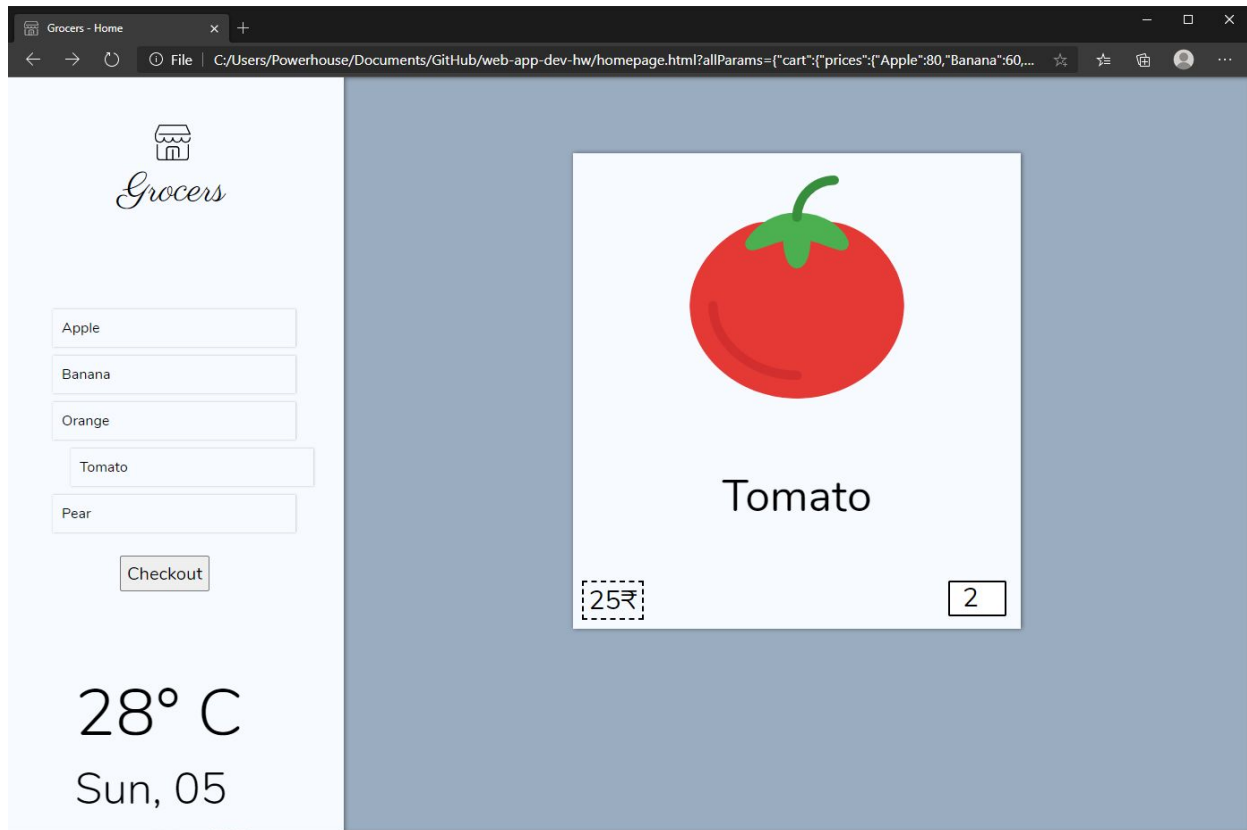


Grocers

Mihir Singh RA1811028010028

Page - 1: Homepage

- Item Catalogue



Manipulating DOM using JQuery: Any Item from the list on the left hand side can be clicked and it will display the item image, name, price and quantity in cart on the right hand side.

API using AJAX: Real-time weather data is fetched from the *OpenWeather API* along with the current day and date according to the store's location.

- Buyer Information Overlay

HTML Forms and CSS Flexbox: The HTML form collects all user related information. It validates for correct email address format and correct Phone Number format.

Sending Data as Parameters: All cart data and user information is sent to the next page through JSON formatted string as a parameter in the URL.

- Buyer Information Validation

The image displays two versions of a 'Buyer Details' form, illustrating error handling during validation.

Left Screenshot (Initial Input):

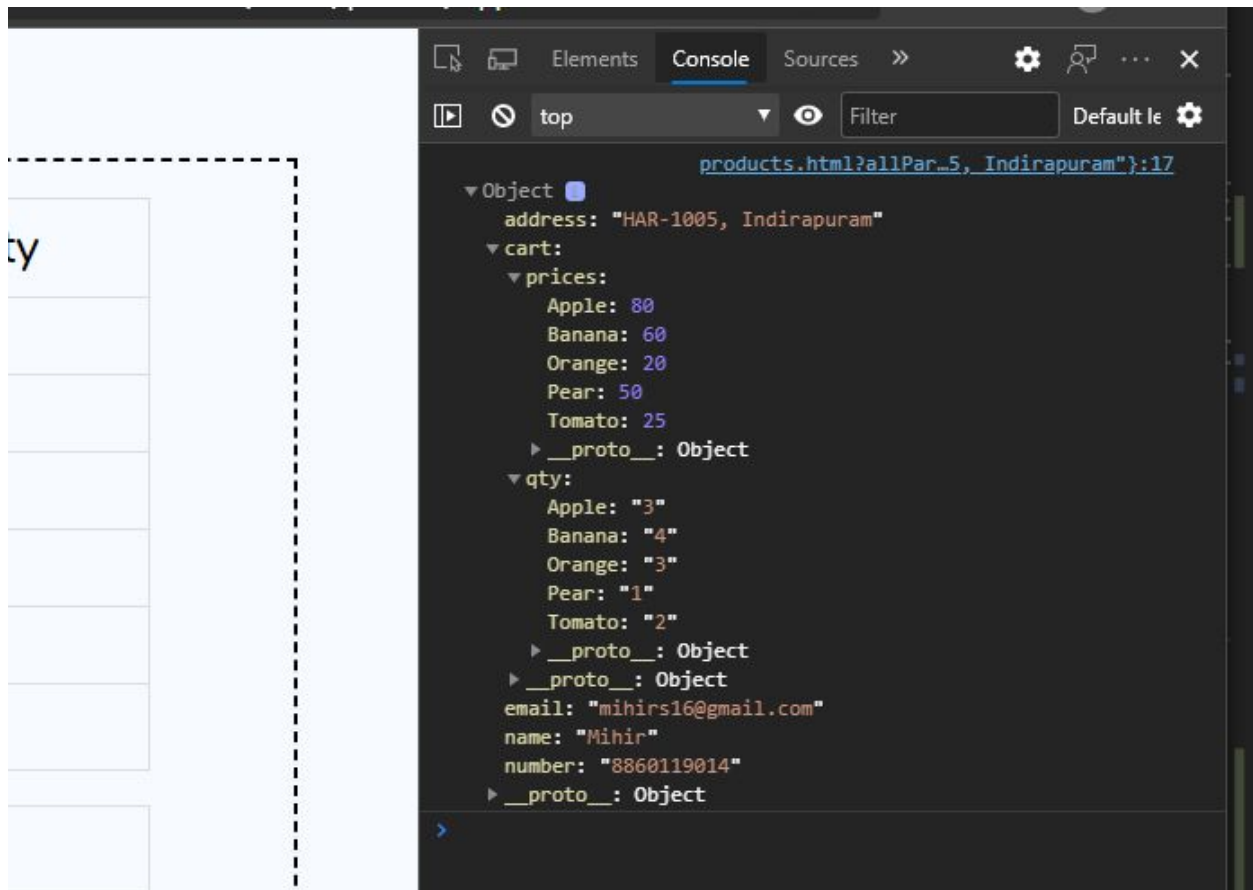
- Name:** Mihir
- Email Address:** mihirs16gmail.com (Error: Please include an '@' in the email address. 'mihirs16gmail.com' is missing an '@'.
- Phone Number:** 8860119014 (Warning: Please match the requested format.)
- Delivery Address:** HAR-1005, Indirapuram
- Confirm** button

Right Screenshot (Corrected Input):

- Name:** Mihir
- Email Address:** mihirs16@gmail.com
- Phone Number:** 886011901 (Error: Please match the requested format.)
- Delivery Address:** HAR-1005, Indirapuram
- Confirm** button

Error Handling: The form only accepts valid inputs and lets the user know where the errors occur and how to fix them.

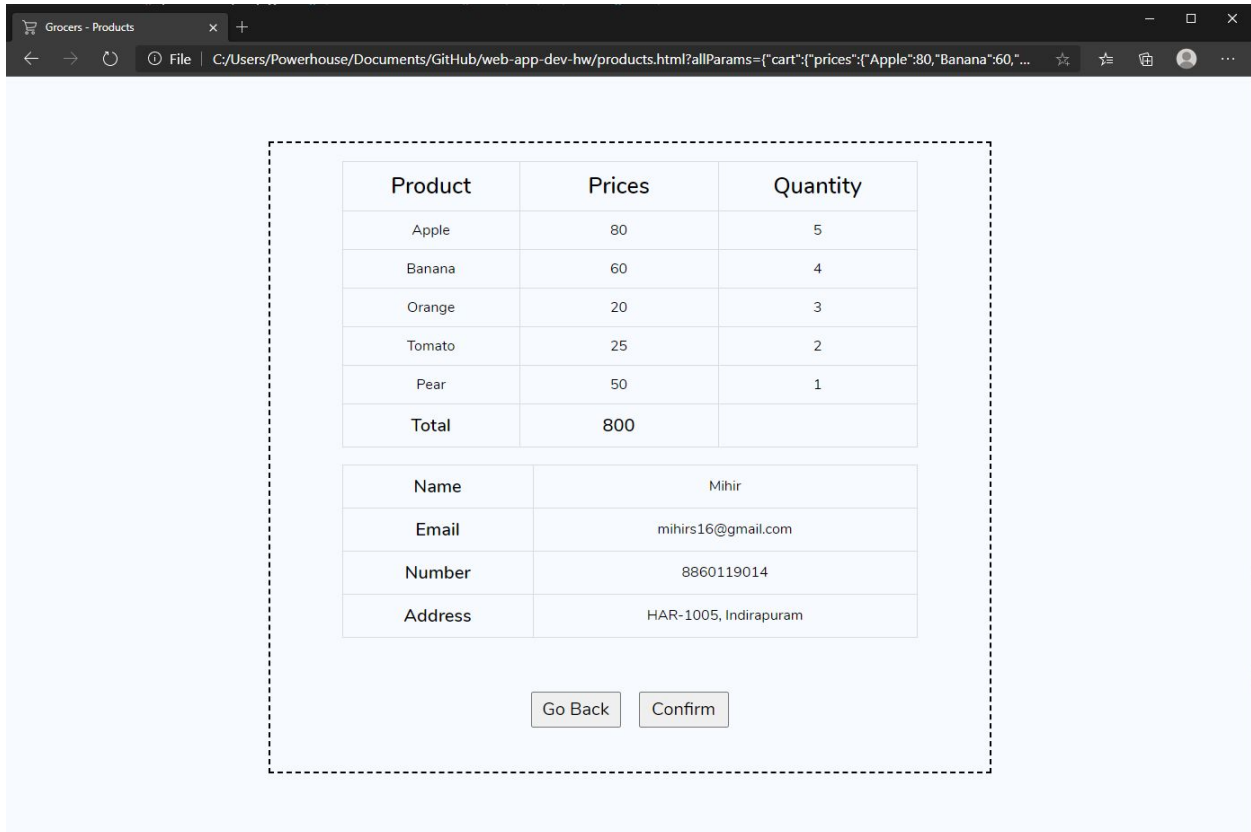
- Data across Pages



Sending Data: While navigating all data is converted from JSON Object to conventional string and sent through the URL parameter which is parsed and converted back into JSON object by the receiver page.

Page - 2: Checkout

- Cart



Product	Prices	Quantity
Apple	80	5
Banana	60	4
Orange	20	3
Tomato	25	2
Pear	50	1
Total	800	

Name	Mihir
Email	mihirs16@gmail.com
Number	8860119014
Address	HAR-1005, Indirapuram

HTML Tables: All data is received through URL parameters in a JSON format string and parsed to convert into JSON object which is used to generate this invoice which can be confirmed, or edited by going back to the homepage.

Navigation: The user can edit their cart by going back to the homepage through the “Go Back” button and w/o saving the session again all data is sent through URL parameters to let the user edit the old data and not enter from scratch.