Milestone 4

Three Hugs Mo:Mo Restaurant

Our Website:

https://betaweb.csug.rochester.edu/~aachary5/#home

Project details:

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1.Project Description:

We attempted to solve our business needs by creating a website for Three Hugs momo restaurant. Our project allows users to make online food orders through our website. Right now, our functionality is only limited to ordering take-out/pickup meals. Our website allows customers to sign up using their phone number and email. It also allows them to view our food menu with the item name and price of each food item and also add items to their food cart. The

user can also modify items in their cart by adding new food items, updating the quantity of existing food items, and delete food items. After adding food to the cart, a user can go to the checkout page and enter their account details (email, phone number, credit/debit card number, security code). The backend of the website validates all of the information entered and only allows users to make an order if they are signed up on our system. Furthermore, there are several criteria for account creation. For instance, the email entered must pass through the HTML email validator. Similarly, the phone number field requires the user to enter at least 10 digits, and the debit/credit card requires exactly 16 digits. Those people who have already created their accounts cannot sign up again with the same combination of email and phone number. A user can also lookup other customers by their id, and view a list of existing customers. For the convenience of the user, we have also included the following pages that provide more information about our website: "About Us," "Three Hugs In The News," "Suggestions," and "Three Hugs Privacy Policy." Overall, we aim to provide a good online order experience to our customers through our website.

2. Summary: Summarize your learning from this project. Include which part was the most challenging to implement?

What we learned from this project:

- Hands-on experience with SQL, HTML, and PHP syntax and code.

- Team collaboration and brainstorming. Conflict resolution.

- Utilizing betaweb and making commands on the terminal.

- Usage of editors such as Visual Studio Code and vim.

- Ideas about how to materialize real-life scenarios through code.

Challenging aspects:

- Php syntax. Easy bugs: brackets and commas. Hard to debug.

- Handling corner cases. We saw errors that were hard to identify.

- Finding the total price by getting data from multiple tables.

- Using bootstrap on form elements.

Which part was most fun (yes, the same component might be both fun and challenging)?

- The end when we tested the project as users.

- Writing the "About Us" and the "News" section.

- Using visual studio and vim editors.

- Working as a team and having discussions on Zoom.

Did you achieve whatever you planned in Project 1 Milestone 1?

- Yes, we included everything but our UI design was different. We added a lot of other components such as "About Us" and "Privacy Policy". In addition, we added a cart functionality that enabled users to update the food items in their cart.

3. Future Works : How will you enhance your website if you get another semester? Note that this section is no excuse for submitting an incomplete website.

- Account authentication. User login and password for better security.

- Food delivery option. Currently, we are only offering take-out orders made online.

- We would write an authentic privacy policy.

- We would improve our UI design.

- We would add credit card validation and verification.

- We would add the ePay functionality such as "Pay With PayPal" and "Google Pay."

Citations:

We used the Bootstrap CDN to enhance the user interface of our website. The following statement was used in the header of each of our files.

<link rel="stylesheet"

href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css"

integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW

/dAiS6JXm" crossorigin="anonymous">

We also used three pictures on our project and have cited their sources below.

Flag_of_Nepal.svg: https://en.wikipedia.org/wiki/Flag_of_Nepal

New_momo_background.jpeg: https://www.pinterest.com/pin/779263541750471188/

Momo.jpg: https://www.youtube.com/watch?v=7tdUCk9pLPw