

Criterion A: Planning

The client is currently the owner and manager of a restaurant in Las Vegas, New Mexico. He has opened the restaurant recently, and while it has been doing considerably good, he has struggled to bring in more revenue to keep up competition with the surrounding restaurants and this has been hindering his plans to expand into to full fledged bar and restaurant.

After overhearing him talk with a friend while dining at the restaurant about his problem, I decided to strike conversation as I believed it would be a great problem to tackle for my computer science IA. It's not easy for a newcomer in the restaurant business to keep up with the older, more experienced businesses or even try do something different to outpace them and earn a higher revenue .

Upon conversation, I brought up that all the other restaurants in town had a website and offered numerous services online that his restaurant did not have. He agreed to cooperate and work with me to find a solution.

After researching what the competitors offered and having numerous conversations with my client, we finally agreed to create a website for B3 Restaurant that offered services that other restaurants did in order to better reach out to the community and make it easier for his customers to purchase food from the restaurant.

After this initial conversation, I arranged to meet the client multiple times to work and interview him for further details on my website.

Rationale for proposed solution

For this problem, I will be using a combination of different languages. As I mentioned, upon research, I proposed a number of ideas to the client during later meetings and interviews. After constructive discussion, we finalized that website would offer information on the restaurant such as opening and closing times, delivery information, contact information and display the menu that the restaurant offered for those on the website to view. Also, the website will offer an online order system where customers could order food conveniently at their homes and pick it up when the order status is updated to "ready".

In order to achieve this, I will be using HTML (Hypertext Markup language) and CSS (Cascading Style Sheets) language for the viewing and design elements of the website. This will be very important as the visual aspects will be what the customers will see first, creating a good impression will be important.

Other aspects such as the menu, contact and delivery information will be achieved using the MYSQL language as it would require databases in order to easily access data, keep it updated

and change it to the owners will. Lastly, I will be using the PHP in order to create the algorithms and logic for programs on the website involving for online ordering and food status updates.

Starting success criterion

- Website will allow the client to update any information such as contact, delivery and menu
- Website will allow the client to view incoming orders and update the status as completed and ready for pickup
- Website will allow the customers to view all basic information about the business and the menu, and will allow the customer to place orders online and view when it is ready for pickup.
- Website will be visually appealing and informative for potential customers