CSE299 Project Proposal

Online Food Delivery

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1. Abstract

Online Food Ordering System is one of those techniques that have gained grounds for simplifying things for both restaurants and the customers. Nowadays as people are getting busy with their work, making the restaurant online even saves customers' time. It allows them to order food online at any time by creating a flexible food ordering platform. So, we decided to create a platform that can help customers to buy foods and reduce the manual workloads of the admin as well.

2. Introduction

We want to primarily exercise our programming knowledge on PHP and algorithms. This project will help us to learn the project basics, in future we can develop our projects more efficiently. The purpose of our project is, in this pandemic situation people needs to stay at home. So, making this kind of website will be very much helpful for everybody.

The name of our online food delivery platform will be "Food Delight". In our project customers can easily search, order and get their desire meals without facing any trouble. In admin section the management of food items, categories and order part will be taken care very efficiently.

Our priority is to develop a web platform which would be dynamic in nature, meaning we should be able to add, remove or update any feature at any given time. To achieve this goal, we plan to implement a maintenance platform for the project so that we can tackle any problem at any time without it going out-of-service.

3. Existing Solutions Review

We are planning to implement our take on most of the features and functionalities of pre-existing platforms such as Food Panda, Pathao, Shohoz, Efood but we drew the most inspiration from the website is: Hungry Naki, as it is the closest solution to our project at the moment. We will look its features and then we will try to implement our features to work like this.

"Hungrynaki is a 100% Bangladeshi Online Food Ordering and Delivery Service launched in 2013 to deliver your cravings at your doorsteps. They are passionate about food and are always prompt to deliver whenever the radar blips hungry. Come rain, heat and storm our delivery team will be at the customers doorstep with a bright smile and holding the food they have been craving, intact through their insulated boxes."

In an article shared by Suman Prosad Saha, from ordering food to delivering it, HungryNaki keeps a clear line of communication between the customer and the restaurant the food has been ordered from. Any order placed with HungryNaki is subject to product availability, delivery capacity and acceptance by it and the Participating Restaurant. When an order has been placed online, an email and SMS are sent to confirm that the order has been received. This email and SMS confirmation will be produced automatically so that the customers have confirmation of their order details. Customers must inform HungryNaki immediately if any details are incorrect over phone within 5 minutes of receiving the mail or the SMS. The fact that users receive an automatic confirmation does not necessarily mean that either HungryNaki or the Participating Restaurant will be able to fill the order. Once the confirmation has been sent, HungryNaki will check availability and delivery capacity. It may choose to call at times when customers order in bulk."

4.Description

4.1 Project Features:

Customer Part

- Customer sign-up, sign-in
- Customer profile- delete, update (modify account, password change)
- Customer order and payment
- Customer location track
- Search food items

Admin Part

- Admin login
- Admin profile: delete, update (modify account, password change)
- Manage Admin
- Manage category
- Manage food items
- Manage orders

(If possible, we will add more features)

4.2 Technical Details:

For maintaining communication between the group members, we will use Slack. For progress tracking, we will use Trello. For documentation and the gradual development of the source code we will use GitHub which will allow us to release version update(s) in future. Details of each will be shared with Mr. Rifat Ahmed Hassan Sir. To implement our project, we will use tool Visual Studio Code.

- Operating System: Windows/ Linux
- Distributed Database: MySQL
- Front-End: HTML, CSS, JavaScript (if needed)
- Back-End: PHP

4.3 Roles and Responsibilities:

Our three-member team decided to divide the project into two parts of front-end & back-end development. Me and Tamalika Bakshi will do the back-end and Rownita Tasneem will do front-end part.

5. Project Breakdown with time efforts estimation

We are planning to follow this estimated timeline:

#	Stage / Task	Work Hours	Date
Stage 1	**Analysis & Design**		
1.1	Requirement Analysis	10	29/6/21
1.2	Define Work Plan	5	30/6/21
1.3	Create SRS	10	1/7/21-3/7/21
Stage 2	**Implementation**		
2.1	Learn Related PHP	20	4/7/21-8/7/21
2.2	Design Database	5	9/7/21-11/7/21
2.3	Design Website	5	12/7/21-13/7/21
2.4	Admin functionalities (login, user profile)	15	14/7/21-16/7/21
2.5	Admin manage admin	15	17/7/21-20/7/21

2.6	Admin manage category	15	21/7/21
2.7	Admin manage food	15	24/7/21-27/7/21
2.8	Admin manage order	15	28/7/21-30/7/21
2.9	Customer (sign up, sign in, user profile)	15	31/7/21
2.10	Customer Search	5	2/8/21-4/8/21
2.11	Customer profile update, delete	15	5/8/21-9/8/21
2.12	Customer location track	10	10/8/21-16/8/21
Stage 3	**Testing & QA Tasks**		
3.1	Write Unit Tests	10	17/8/21-21/8/21
3.2	Bug-Fix	25	22/8/21-26/8/21
Stage 4	**Deployment**		
4.1	Deploy on Host & Client Servers	10	27/8/21-29/8/21
Total Work Hours (Estimated)		**220**	

6. References

1. **https://www.researchgate.net/publication/331546138_HUNGRYNAKI_DEVELOPING_A_POWERFUL_SERVICE_BRAND**
2. **https://www.trioangle.com/blog/4-major-advantages-of-food-delivery-service/**