**National University of Computer & Emerging Sciences**

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**SOFTWARE ANALYSIS AND DESIGN PROJECT PROPOSAL**

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**Date of submission: 26th Oct 2021**

­**[Food Ordering & Delivery Web-Application]**

This project will be submitted as partial requirement for the course CS-3004 in Fall 2021.

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**Introduction:**

Our project, Food Ordering and Delivery System is a Web-based application that includes numerous conventional with the addition of few new features. It entails a variety of foods, specified under specific categories for the customer. The customer can place his order with specified customizations. Apart from that, the customer can also avail special discounts through promo codes generated, or through the premium membership. Moreover, this web application allows the customer to track their order by directly contacting the specific rider. Also, booking food in advance is no more impossible. The application allows you to pre-book your orders and schedule them accordingly. The management system also ensures that you can have your bill anytime including discounts and promos, it implied.

**Description:**

[As the name of the project briefs the function of the project, this project is in regards to food ordering, and management which is delivered to the customer. Primarily, the website requires the user to sign up and input his/her information to store his/her information from the database for future reference. The user can directly choose to login if he has signed up before. The email id and phone number is checked using specified regex patterns (regular expressions) to make sure the user inputs correct information. Once the user signs up, his/her information is stored in a database to make it easier for the user to login whenever they want to. The user is also given a variety of options of premium memberships available if the customer wishes to avail it – these memberships provide certain discounts. Apart from the user’s signup options, the web application also provides registration and signup for riders who are willing to join the company. Moreover, the application also allows new restaurants to register with us – restaurants who are already affiliated with our company do have the facility to login, and update their menu items anytime. After logging in, the customer has a list of options- the user can access our menu, and place their order. These orders can also be customized- the program outputs a list of suitable options according to the user’s order, which can be selected by the user. After placing order, and customizing it, the bill will be showed, which will be displaying the discount too incase the customer has availed the premium membership. Apart from simply placing order, and getting it delivered, a unique approach of tracking the order has also been adopted. The program prompts the user to input their order number- which if matched, order details are shown, as well as the rider’s name, and telephone number is provided which allows the customer to directly contact their rider. Moreover, delivery scheduling makes this project a unique idea. Delivery scheduling allows the customer to mark a date (including the current date, and future dates), and place an order to be delivered on the specified date. Customers can later login to provide their valuable feedbacks too. Customer information security has been kept as a priority, which is why a manager cannot access any customer data. They can only access the total tax and revenue generated by the company. Manager do have access to view total revenue, tax and feedbacks of the customer.]

**Domain Features:**

1. Order Management
2. Customer Management
3. Restaurant Management
4. Billing Management
5. Delivery Management
6. Feedback Management
7. Future Scheduling Management
8. Multiple User Interfaces (for admin and user)
9. Customization Management
10. Order From Multiple Restaurant Management
11. Real Time Support System Management
12. Deals Management
13. Discount on Membership Management
14. Menu Management
15. Marketing and SEO Management