Canteen Food Ordering and Management System

Deliverable I

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Abstract

The main purpose of this online food ordering and management system is to replace the existing manual system by using automated software with the help of advanced information and technology systems so that the process can be faster and simpler. Besides, valuable data can also be stored, manipulated, and accessed easily for a longer period. Today's way of ordering food mostly relies on manpower to enter orders to the ordering machine and collect payments manually. This is not only a waste of manpower but also a waste of time. The customers have no way to know the status of their ordered food, whether the food is being prepared or is on its way of delivery. The food ordering system allows the user to access the account with valid credentials. In the food ordering system, there are food items according to categories, cart, and online payment methods available for the users to surf, order and make a payment. Besides, users can track their orders with the food details. The admin of the food ordering system handles the functionalities like add new food items, edit or delete food items, enable or disable the food items according to season and availability. In addition, the admin would have the authority to view order details and update the delivery status of food. The payment transaction and user details are also viewable to admin.

__Team Introduction__

Jeffrey Kwan Qing Ong:

He is a Malaysian. He knows a couple of languages such as English, Chinese, Malay and Hokkien. He wants to work on this project as this is part of the assignment and he is also very interested in the management system. He can help expand the idea for the project as he worked as a server before so he has some experience in food ordering and some management.

Khang Phan:

He comes from Vietnam and he has been here for 5 years. Like most of us, he thinks this is a very interesting project that would benefit everyone who is participating in this project alone because it helps everyone in the group understand the value of teamwork. Furthermore, this idea will help people's lives a lot easier. However, he can share his ideas and his experiences to help build the greatest app for all friendly users.

Shan Shan Lee:

She is also a Malaysian. Her major is software engineering. She proposed this idea because she realized that most of the food orderings are done manually in Malaysia and this system can help in saving time and manpower. She can help in this project as she has experience in developing a similar management system which is a college enrollment system.

Neil Remolar:

He's Filipino who came to the U.S. in 2004. Still fluent in Tagalog and has past experiences in customer service and inventory management. He can help this project due to knowing the front and backend of inventory management system based on his experiences from working at Starbucks as a Supervisor and Best Buy as an Inventory Specialist.

Cost Estimation

1. Labor/staffs expense:

    a. 4 engineering salary: 60$/h * 40h * 16 weeks = 38,400$

    b. Travel: 200$ * 4 weeks =800$

2. Equipment:

    a. Computer/laptop: 1200$ * 4 = 4,800$

    b. Server: 2,000$

    c. Service/licenses: 2,500$

    d. Incurred cost: 5,000$

3. Others:

    a. Room rental: 1200$/month * 4 moths = 4,800$

    b. Foods/ drinks: 200$ * 12 weeks = 2,400$

    c. Gas: 60$ * 4 weeks = 240$

    d. Furniture: 2,500$

    e. Incurred cost: 5,000$

Total: 68,440$