**Introduction to Software Engineering(Pr)**

Fall 2020

**Proposer Details**

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| Group Number | SE-PID-21 |
| Registration Number of Group Members | 2018-CS-13  2018-CS-35  2018-CS-54 |

**Proposal Details**

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| ***Project*** |  |
| Proposed Project Title | Canteen Food Ordering and Management System |
| Executive Summary | *Canteen Ordering System is the system where clients request their food and get food immediately as they can legitimately proceed to gather what they requested without sitting tight for a turn or holding up time. Canteen Management System is a Canteen based framework which stores the records of the representative who is utilizing Canteen for Lunch and supper, this product keeps up the current equalization measure of the representative, furthermore, his lunch and supper subtleties. Nowadays people don’t have much time to spend in canteens by just there and waiting for the waiter to take their order. Many customers visit the canteen in their lunch break and recess so they have limited time to eat and return to their respective office and college , so this web application helps them to save time and order food wherever they want without calling the waiter again and again. The manual system also contains the paperwork in the form of maintaining various files and manuals about billing and stocks which is also a very tedious and risky process. Including a framework will help them to save their information more securely and overcome all the problems which we have faced in manual based systems. Our system will be web based providing a complete platform for customers and management to easily order food and manage orders respectively. As most of the bill related work will also be automatic and users can view bills before order confirmation so this feature will help the canteen management and customer to not get in any dispute related to bill. The main technology that we are using to build our web application is ASP.NET framework with C# programming that will help us to build an interactive dynamics website with an attractive fronted build up by HTML, CSS, BootStrap and JQuery.* |
| ***Business Case*** |  |
| Outline the business need for the project | *In a manually based system managing the canteen has never been an easy task especially when we are in a technical era. Therefore, we have aimed to fulfill all the requirements of a Manual Canteen under a single platform which is accessible from anywhere and make things handy for all stakeholders.* |
| Motivation for Project | *Manual canteen and food ordering system often leads to wastage of time for both customers and management in terms of order booking. It can lead to miscommunication or misunderstanding between customer and management if some wrong order is booked or any dispute on bill. So we are motivated to build an online system for food ordering by which these issues can be tackled easily by providing a online system for food ordering and bills.* |
| Description of the project objective(s) | *Canteen Food Ordering and Management System is developed with an aim of ‘saving time’ and 'better ordering techniques'. Customers can order food easily and it is also efficient for canteen workers because this system takes less time as compared to manual ordering systems.The system will be developed using PHP, HTML, CSS and other Web tools. The communication between canteen management and customers can be improved. The product developed will provide an easy access to the user to manage and alter the order according to the need.* |
| State the level of impact expected should the project proceed and implications of not proceeding | *Our project can be implemented in a complete operational way with all its functionalities. Canteen Management can easily manage all the orders in an efficient way. Customers can order food with much ease that will provide a better communication way between management and customer.* |
| Functional Requirements | 1. *Create Canteen Customer Account* 2. *Login to account while ordering* 3. *Manage Customer Account* 4. *Navigate the Canteen Menu* 5. *Select desire food with personal choice customization* 6. *Add item to the cart* 7. *Manage cart* 8. *Review bill before order confirmation* 9. *Place order* 10. *Receive order ID for further correspondence* |
| ***Benefits*** |  |
| What benefits are expected/ anticipated? | *Provide fast and efficient service.*  *Helps in advance ordering system.*  *Savage of time for both customers and canteen management.*  *Customers can order all the thing using one platform*  *Canteen Management can view and manage all orders more efficiently.*  *Daily limits on the amount for the usage of the canteen facility can be preset.* |
| ***Technology*** |  |
| Programming Language | *HTML, CSS, JScript, JQuery*  *Framework: BootStrap*  *Programming language: ASP.NET with C#* |
| Platform | *Web Application* |