Feasibility Study Report on

**ONLINE FOOD ORDERING SYSTEM**

Submitted By

**SANKET GOVIND KHARDEKAR**

For the fulfilment of Internal Credit work for the course

Case Study on

feasibility analysis for MCA-I Sem-II

Under the guidance of

**Dr. B. J. Mohite**

Through,

ZIBACAR, Pune

2019-2020

**ABOUT PROJECT AND ITS NEED**

**INTRODUCTION ABOUT PROJECT**

The online food system has overcome some of its disadvantages. The online food ordering system provides convenience for the customers. It overcomes the disadvantages of the traditional queuing system. This system increases the takeaway of foods than visitors. Therefore, this system enhances the speed and standardization of taking the order from the customer. It provides a better communication platform. The system will be taking orders when the shop is open only. Multiple products can be ordered online at a time and it will be added to the cart according the bill will be generated. The user’s orders and details are noted electronically in database which would be easy for an admin to contact the customer. The customer will also get information about his previous orders. This system belongs to Mr. Bajirao who is the owner of cafe named as FRIENDS CORNER.

**NEED OF THE PROJECT**

Few problems of using existing offline cafés were:

1. Famous Cafes can’t be reached to more customers.
2. Cafes can’t earn more profits.
3. Customer have to go to cafes, so it’s their waste of time and money.
4. Customer’s record and their orders record have to manually recorded.
5. Less selling of food items.

These problems are been resolved in this proposed ONLINE FOOD ORDERING SYSTEM.

**OBJECTIVE OF PROJECT**

1. For Customer Surfing or searching through food items facility is provided.
2. To provide facility of ordering product online.
3. To provide facility of selection of multiple food items at a time which will be added to the cart.
4. To provide Registration and login facility.
5. After ordering food items, the bill will be generated.
6. To maintain record of orders.

**HARDWARE AND SOFTWARE REQUIRMENT (CLIENT SIDE)**

HARDWARE REQUIRMENT:

1. At least 500 MB RAM.
2. At least 60MB Hard Disk space.

SOFTWARE REQUIRMENT:

1. Windows or any other operating system which supports browsing.
2. Any type of Browser.

**FUNTIONAL REQUIRMENTS**

* Registration: If the customer wants to order food then he/she must be registered. Unregistered user can’t order food.
* Login: The customer logs in to the system by providing valid credentials.
* Display the Menu: In system all food items are displayed with their rates.
* Searching Food Items: Particular Food item can be search by the customer.
* Selection of Multiple Food items: Customer can select multiple food items from menu and add it to the cart.
* Generating the bill: The bill is generated according to the number of food items and their rates.
* Maintaining Order Record: A previous orders list is provided to both admin and customer.
* Modify Menu: Admin can add, delete, update food items as per his need.
* Logout: After ordering the customer can logout anytime.

**NON-FUNTIONAL REQUIRMENTS**

* Portability: System running on one platform can easily converted to tun on another platform.
* Reliability: The system is very much reliable to avoid damages to data prevent from entering incorrect and incomplete data.
* Availability: This system is available to user according to the café timings.
* Maintainability: The mysql database is used for maintaining the records of café, customer.
* User Friendly: This system is more user friendly to the customer as the User Interface is easy to handle.

**TECHNICAL OR DOMAIN REQUIREMENT**

* Client Side:
  + **HTML5** is a language that defines the properties and behaviours of [web page](https://en.wikipedia.org/wiki/Web_page) [content](https://en.wikipedia.org/wiki/Web_content) by implementing a [mark-up](https://en.wikipedia.org/wiki/Markup_language) based [pattern](https://en.wikipedia.org/wiki/Software_design_pattern) to it.
  + **Bootstrap4** is a free and open-source CSS framework directed at responsive, mobile-first front-end web development.
  + **CSS 3** is a style sheet language used for describing the look and formatting of a document written in a mark-up language.
  + **JAVASCRIPT** is the programming language of HTML and the Web.
* Server Side:
  + **PHP 7** is a [general-purpose programming language](https://en.wikipedia.org/wiki/General-purpose_programming_language) originally designed for server side [web development](https://en.wikipedia.org/wiki/Web_development).
  + **MYSQL** is an [open-source](https://en.wikipedia.org/wiki/Open-source_software) [relational database management system](https://en.wikipedia.org/wiki/Relational_database_management_system) (RDBMS).

As the above technologies are easy to implement and they satisfy the need for development of the system, therefore they are been used to develop this system.

**FEASIBILITY ANALYSIS**

**MEANING OF FEASIBILITY ANALYSIS**

* Feasibility Analysis is the process of confirming that the strategy, plan or design is possible and make sense. This can be used to validate assumptions, constraints, decisions, approaches and business cases.
* Feasibility analysis takes all of a project's relevant factors into account including economic, technical, legal, and scheduling considerations.

**LEGAL FEASIBILITY**

* Legal feasibility is the study to know if the proposed project confirm the legal and ethical requirements. To avoid, to the extent possible, the major problems in the project's development.
* This system follows all the rules and regulations given by the government for software development.

**ECONOMICAL FEASIBILITY**

* Economic feasibility is the cost and logistical outlook for a business project or endeavour.
* As this project has been developed using freeware technologies like mysql, php, bootstrap. So, this system is economically feasible for customer as well as owner.

**TECHNICAL FEASIBILTY**

* Technical Feasibility includes study the of functions, performance and constraints that may affect the ability to achieve an acceptable system.
* This system is technically feasible for both customer and owner as their various components provided like navigation bar for faster suffering, Cart system for listing selected products.
* Search bar for searching a particular product and extra information provided in sections like jumbotron and mysql for storing the records.

**OPERATIONAL FEASIBILITY**

* Operational feasibility refers to the measure of solving problems with the help of a new proposed system. It helps in taking advantage of the opportunities and fulfils the requirements as identified during the development of the project.
* The GUI provided in this system is more user friendly and all inputs taken are self-explanatory.
* The customer can update their profile and also can change the delivery address as per his convince.
* As well as the owner can add, edit or delete the food items. Therefore, from above points we can say the system is operational feasible.

**SCHEDULED FEASIBILITY**

* Schedule feasibility is defined as the probability of a project to be completed within its scheduled time limit, by a planned due date.
* As per the operations or functions of the system, the project is been completed scheduled time limit.