## Project proposal

Online Food Ordering System

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# Introduction

## 1.1 overview of the project:

In Online Food Ordering System, the registered user can access the account with valid credentials. User can surf the food items according to categories, Cart and online payment options are available to user. User can track their orders. Admin can handle the functionalities like add new food items, edit and delete food items. Admin have authority to view order details and update the delivery status of food. The payment transaction and user details are also viewable to admin.

## 1.2 objectives of the project:

The objectives of this project is to:

- automate the existing manual food ordering system with the help of advance computerized software

- Make sure valuable data can be stored for longer period with easy accessing and manipulation

- Provide an online food ordering platform

- Automate the surfing process of the food items according to categories

- Provide viewing of order details

- Provide the order tracking process

- Provide online payment

- Provide the ability for admins to add, edit and delete food items or prices

## 1.3 the need for the project:

The manual food ordering process causes lots of delay most of the time when it comes to phone or at restaurant ordering as they both require great amount of employees to decrease delay. Online food ordering project looks into this matter and automates this process online.

Other than restaurant surfing the project is capable of managing food items, prices and online payments. ordering quality needs extra work, so the project provides a solution to this problem by providing places for

- comments

- ratings

## 1.4 overview of existing systems and technologies:

Crimson Restaurant: Crimson consists of some of the functions that are implemented in the project, but Crimson is only concerned about food ordering while our project also provides ratings and comments to create a way of communication between the users and admins.

Main technologies associated with the project:

- Web programming technologies (PHP, HTML, CSS, JS)

- MySQL (database)

## 1.5 scope of the project:

Main actors of this system:

- Customers

- Restaurant admins

Main use cases associated:

1. Admins

- Add/edit/delete food items

- View order details

- Update delivery status

- View payment transactions and user details

2. Customers

- Surf food items according to categories

- View cart

- Pay online

- Track order

## 1.6 deliverables:

A web based software system, contains a central database and functionalities for different users. Since more than one type of user is involved, different GUIs will be provided.

# feasibility study

## 2.1 financial feasibility:

Being a web application the project will have an associated hosting cost. The system does not consist of any multimedia transfer therefore the bandwidth required is low.

System will follow the software standards; no extra costs will be charged from the customers.

At the initial stage the potential market space will be the local restaurant customers.

Besides the costs there will be many benefits for the customers as the delay will be eliminated and the ordering and surfing process becomes much easier.

From these it is clear that the online food ordering process is financially feasible.

## 2.2 technical feasibility:

The online food ordering process is a complete web based application with main technologies and tools associated such as:

- PHP

- HTML

- CSS

- MySQL

Each of the technologies are freely available and the technical skills required are manageable. Time limitations of the project development and the ease of implementing using these technologies are synchronized.

The web site will be hosted in a free web hosting space, bandwidth required in the project is low.

From these it is clear that the project is technically feasible.

## 2.3 resource and time feasibility:

Resources required:

- Programming device (laptop)

- Programming individuals (available)

- Programming tools (available)

- Hosting space (available)

From this it is clear that the project’s required resources are feasible.

## 2.4 Risk Feasibility

### Risk associated with size:

Estimated size of the product:

Being a web application with many users, the project will contain a significant amount of code lines but the file sizes and complete project size will not exceed the average amount.

Estimated size of the product in number of programs:

The project will be created as a single web application with a single login page and the contents will be showed or hidden according to the access rights

Size of database created:

Database size will not exceed the values supported by MySQL and the number of relations and entities will be minimized

Users of the product:

- Customers

- Restaurant admins

Number of changes to the requirements of the project:

The requirements are clearly identified before implementation phase, will be changed only if new functionalities are added

### Development environment risks:

Compilers and code generators available:

PHP will be the main scripting language so all the libraries and interpreters will be available freely.

Does the environment make use of the Database:

Database system will use MySQL

### Process issue risk:

The software development process will provide flexibility.

## 2.5 Database diagram:

# Conclusion

All these show that the project is feasible and can be done.