# **Chapter 1: Introduction**

Online food home delivery system is web application which helps to create online food order and delivery pathway between the customers and restaurant. With the increasing popularity of the food home delivery services this project may be and update or option to the traditional telephone food order system. Food home delivery system is online food ordering system used by a restaurant to facilitate the user to order the food online and get delivered. The main objective of this project is to help the business expand its business online by providing online delivery service to the customers.

Using this system restaurant can receive the order and provide the delivery of the order. Here user can use the internet for the food ordering process and restaurant can easily schedule the order delivery within a short time.

## **1.1 Background of the project**

Food home delivery system is a system which allows the user to register and login to the system in order access the online food home delivery system of a restaurant. Here they can select the foods accordingly and place their order online. User can view the food details, their review and comments and order the food according to their taste and preferences. They also will be able to order a multiple item and can get the total calculation of their order instantly. Their register and login details will help to assure their identity for ordering and delivery of the food.

This system helps the restaurant to track the online ordering and provide the instant delivery to the user ordering the foods. Here the restaurant also can allocate the delivery staff according to the order received. There are many types of online food home delivery website that exist already. Many of the features can be similar to the web-application found in the market. The main objective of this project is to provide high quality user experience.

Here in order to create the project PHP has been used as programming language under the Laravel framework for the design and code. And project libre to manage the milestone of the project.

## **1.2 Problem Statement**

This project is to create online food home delivery application that focus on the current market i.e. Nepal market. Nepali market will be the main focus as a decent web application are usually developed outside the market. This application will be improved version of the current application found in the market. It will also help to overcome the inefficiency faced by both the customer and the restaurant. Different inefficiency can be faced using the traditional food ordering system regarding the cost, time and quality services. This project will be solving the inefficiency of both the customer and the restaurant using this system. Restaurant business also can be improved through the automation of the business process and stand out from the competitors in a very competitive business environment.

## **1.3 Features**

* **Ordering:** User can order foods from any place
* **Feedback**: User can provide feedback
* **Multiple ordering:**  Different foods and services can be order at one time
* **Profile Management:** Restaurant can upload their menu in the portal
* **Bill Generation and payment**: Cash on delivery and bill generation
* **HR Management:** Control staff and their shifting
* **Customer support**: support to the customer regarding any problems faced can be provided
* **Delivery scheduling**: Scheduling of the delivery route and the staffs can be managed
* **History:** User can order through their own order history
* **Review Feedback**: Restaurant can see reviews received from the food

## **1.4 Aims**

* To provide fast and convenient food order and delivery system for both the customer and restaurant
* To provide customer the facility of order different items of food at one time
* To provide restaurant the online portal to gain the online customer and cost-efficient food home delivery

## **1.5 Objectives**

* To analysis the current problem faced and provide better solution and implementation of the system.
* To design a new web-application with user friendly environment with different features.
* To implement the analysis and design properly and code in a possibly best way
* To test the web-application being designed in order to increase the efficiency and performance of web-application.
* Each step during the development phase must be tracked.
* To document the all the features and report of the web-application.

# **Chapter 5: Implementation**

According to the SDLC after the completion of analysis and design, implementation should be performed. Implementation is the step where a real time working environment is created using the design that fulfil the client’s requirement. A programming language is chosen in order to convert the design into code. This step follows all the planning and design performed in the above phases. As a well coding helps to reduce the testing and maintenance effort of the system design should be implemented in a best way.

## **5.1 Language**

In order to develop the food home delivery system different kind of programming language can be used found in the market. So, as a developer I have to choose a language that I am familiar and have a knowledge about. As I have worked in a PHP programming language in my previous project, I have chosen the PHP programming language under the Laravel frame work which follows the MVC pattern.

PHP is an open source language which is free to use, and the code written under this language is easily understandable by a programmer. As it uses MYSQL for the database services which is also easy to manage and is relational database management system which have an advanced feature I have used MYSQL.

## **5.2 Developing environment**

I have used Laravel framework as web application frame work which basically works under the MVC (Model View Controller) design pattern. It is also a open source PHP web framework. Another reason to choose this frame work is because it is very fluent, user friendly and easy to learn. It also makes common tasks like authentication, routing, session, and caching easy for the smooth development process.

For the basic design of the system CSS and JavaScript has been used which is used to make the user interface and the layouts attractive

.

## **5.3 Deployment Strategy**

The process of implementing the project which includes installation, configuration, running, testing and making necessary changes in the user machine using the different tools and environment is known as deployment.

Windows operation system has been used in order to develop the project. And for the implementation of code and debugging VS code has been used which is then opened and tested in Google chrome and Mozilla Firefox.