



**Tribhuvan University**

**Faculty of Humanities and Social Sciences**

**A PROJECT PROPOSAL**

**ON**

**FOOD REVIEW SITE**

**Submitted to**

**Department of Computer Application**

**Asian School of Management and Technology**

*In partial fulfillment of the requirements for the bachelor's in computer  
application*

Submitted by

**Dibesh Babu Shah, 10**

**Bimal Paudel, 07**

Under the Supervision of

**Mr. Chakra Rawal**

## **Introduction:**

It is known globally that, in today's time, it is extremely difficult for people and restaurants to get appropriate reviews about the foods. In today's fast paced time, when everyone is squeezed for time, the majority of people are skeptical when it comes to restaurants about their food quality. The customers of today are attracted towards the visibility into the items offered by restaurants with price and their food quality.

“Food review system” that we are proposing here, greatly simplifies the reviewing process for both the customer and the restaurant. System presents interactive and up-to-date food items with all available options in an easy to use manner. Customers can choose one or more items to review . Customer can view all the reviews that he/she made in the dashboard provided . Restaurants can list their food items in the web application and can manage the items list and view all the reviews made to them. Our System aims to provide transparent reviews from our customers and the reviews will be displayed to every user, by doing this it will be easier to choose a place to eat .

The system will have three modules; Admin, user and restaurant. Restaurants can add food to get reviews by logging , users will be able to review their foods according to the way they taste and the admin will have control over these two modules .

## **Problem statement:**

The formula of a problem is often more essential than its solution. After an extensive analysis of the system, we have set some goals and made some analysis on the problems that can arise during and after the completion of the system. There are not too many web based food review sites and it will be a challenge to develop such a system and unfortunately it may vary some of the statements in the proposal.

- There are very few prototype systems and are not efficient, convenient and transparent.
- The existing system doesn't have a user-friendly UI.
- Those systems require modern, higher versions of browsers to run.
- Those systems are very complicated to maintain so it's time consuming to use.

- Most of the reviews made are done through physical interaction which can be cumbersome to some people.
- Alongside system development, making reports and documents accurately can be quite challenging, at a certain point of time many processes should be carried simultaneously which makes it difficult to collect punctual and accurate information.

### **Objectives:**

- To develop a clean and informative user interface with an easy user experience so users can adapt to the system quickly and easily with an encrypted password system.
- To provide transparent reviews from our customers and the reviews will be displayed to every user, by doing this it will be easier to choose a place to eat .
- To provide a platform for restaurants to get reviews on their listed food items.
- To lessen the gap between customers and restaurants by providing an easily accessible web based platform.

### **Literature Review**

Our Proposed food review system is a web based, user-friendly application .This will be the cross platform for local Restaurants and their consumers to give and take feedbacks.Restaurants will be implementing new strategies to overcome their flaws and Their consumers will save time and money by seeing feedback . Many multinational Hotel and Restaurants are getting reviews on their own websites, which is somehow a good practice but those are not preferable for local restaurants .

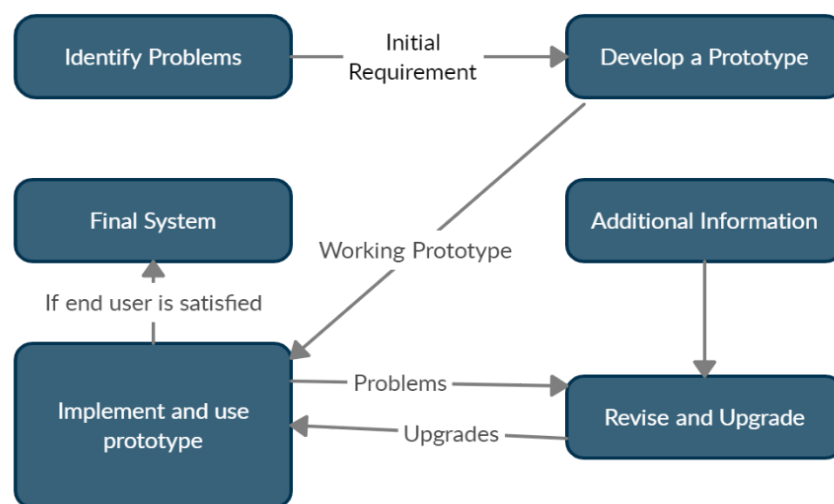
Following apps offer users to review about their services and also you can write reviews on facebook too.

- Facebook.
- OpenTable.
- TripAdvisor.

- Zagat.
- Zomato.
- Foursquare.

## Methodology:

After analyzing all the available data models, we found out that prototyping will be suitable for our project as we aim in achieving the best possible interface and interaction which will be ensured by the end user with frequent feedback. Our system is web based so it will have a lot of interaction with the end user and also minimal training is required to be able to use the system. With help of prototyping even the errors are detected earlier. Working with this model helps to reduce the testing phase, debugging becomes easier and ends up with a reliable system.



*Fig: Prototype model of Food Review System*

## Requirement Identification

### Study of existing system

Food review system is very popular throughout the world. But the service is limited in the first world countries. In Nepal, few local restaurants have the system but their consumers are not aware about it. Even people who are aware about it cannot use it because of their complex UI. This system mainly targets people living within Nepal. There are some short of mobile applications built to order foods and to book tables. But our system is Nepal's

first web-based food reviewing system that allows users to choose a place to eat according to their ratings and reviews near them.

## **Requirement Collection**

### **Hardware Requirements**

- Processor: Intel Celeron N2840 @2.16Ghz
- Storage: 126gb SSD
- Components: keyboard, mouse, 15-inch screen

### **Software Requirements**

- OS: Windows 10 Home 2019, Kali Linux
- Design Editor: Adobe Photoshop, Adobe Illustrator
- Code Editor: Sublime Text 3, VS code, Google docs
- Browser: Chrome, Firefox, Opera, Edge, Brave
- Screen shooter: Snipping tool, Kazam
- Server: Xampp (Apache Server, phpMyAdmin)

### **Language Requirements**

- Front-end: HTML, CSS, JAVASCRIPT
- Back-end: PHP, MySQL

## **Feasibility Study**

A feasibility study is an assessment of the practicality of a proposed plan or project. A feasibility study analyzes the viability of a project to determine whether the project or venture is likely to succeed. The study is also designed to identify potential issues and problems that could arise from pursuing the project.

Our main aim is to develop an informative user interface with an easy user experience so users can adapt to the system quickly and easily which will help people to know about the restaurants and quality of their services . And this will help to build strong relationships between restaurants and their customers.

This analysis will help us understand our system better and the strategy, design and plan are worth reviewing.

### **-Technical Feasibility**

Technical feasibility is to understand if it is possible to complete the project with the current technologies. This application is going to use many programming languages in order to ensure a good user experience for the end user, as well as adopting good coding practices for the developer. The structure of the application will consist of a backend and a frontend. The backend will be implemented using PHP, its purpose is to handle database queries (MySQL queries), authentication etc. The frontend will be completed using HTML, CSS, and javascript. The system can be upgradeable if new technology emerges and will maintain its operational features.

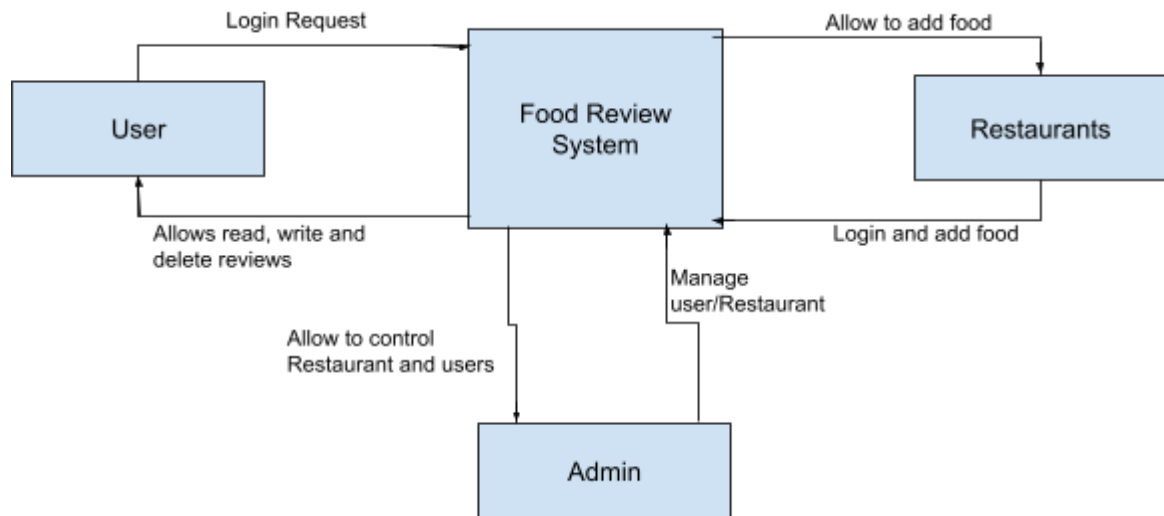
### **-Operational Feasibility**

Our proposed system will achieve desired operational results as well as tackle the stated problems and will be conveyed during design and development. Our system will bring a new experience in food reviewing service as it is web based and almost every food critic owns a smartphone or a laptop. End users will be able to use interactive web based applications. System will be faster compared to other existing applications. The reviews will be displayed to every user, by doing this it will be easier to choose restaurants.

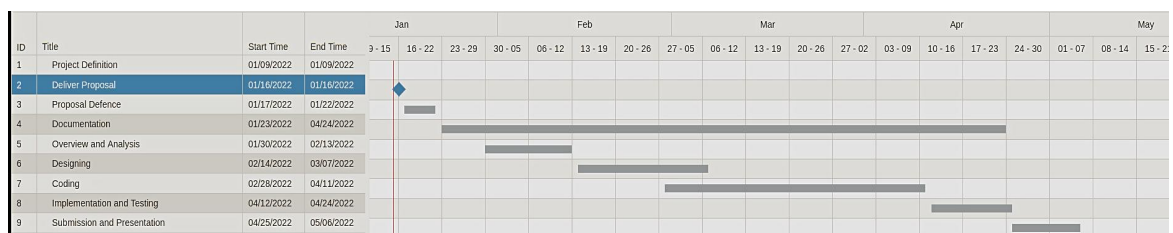
### **-Economic Feasibility**

Under this feasibility study a detailed analysis is carried out of what will be the cost of the project for development which includes all required cost for final development like hardware and software resource required, design and development cost and operational cost and so on. Since it is a basic project to implement whatever we have learnt through this period. Our system doesn't require a huge amount of money to be completed. Also no external personnel are needed for the development of this project and the system will be operated by only two of us. These few factors will decrease overall expenses of the project development. We two will devote time and required effort to develop the proposed system on an estimated time frame.

## High level design of System



## Gantt Chart:



## Expected outcome

With this system, we hope our users will enjoy and adore the new review system because of its simplicity. This proposal suits our needs and will definitely fulfill user criteria. Our expected outcome is to achieve our goals.

- Clean and informative user interface with easy user experience.
- Secure user privacy and encrypted password system.
- Informative and accurate search results.
- Punctual documentation.

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