

COSMOS COLLEGE OF MANAGEMENT AND
TECHNOLOGY

Bistro – Cafe Site

Submitted to Mr. Bibek Ropakheta

Priscilla Mahato (160322)

Reeya Tamrakar (160327)

Rijan Thapa (160328)

Sulekha Parajuli (160341)

9/13/2019

PROPOSAL

[On the partial requirement of fulfillment of study on Computer
Engineering.]

Table of Contents

1. ACKNOWLEDGEMENT	1
2. ABSTRACT	2
3. BACKGROUND	3
3.1. ORIGIN OF IDEAS	3
3.2. SCOPE.....	3
3.3. OTHERS.....	4
4. PROBLEM STATEMENT.....	4
5. PROJECT OBJECTIVES	5
6. PROJECT METHODOLOGY	5
6.1. RESEARCH METHODOLOGY	5
6.2. METHODS OF DATA COLLECTION.....	6
6.3. ANALYSIS OF EXISTING SYSTEM	6
6.4. THE EXISTING SYSTEM	6
6.5. JUSTIFICATION FOR THE NEW SYSTEM.....	6
7. PARTIAL OUTPUT	8
8. EXPECTED OUTPUT	9
9. WORKING SCHEDULE	9
10. CONCLUSION	10
11. REFERENCES	10

1. Acknowledgement

It is always a pleasure to remind the fine people in the Cosmos College of Management & Technology for their guidance we received to uphold this project.

First of all, thanks to our parents for giving encouragement, enthusiasm and invaluable assistance to us. Without all this, we might not be able to complete the subject properly.

Second, we would like to thank Mr. Bibek Ropakheta sir for giving us the opportunity. He also gave us his guidance and support.

Thirdly, we also want to express our deepest thanks to members of Computer and Electronics Department that has helped us a lot in dealing with this project. They had supported us by showing different methods of information collection. They helped all the time we needed and gave right direction toward completion of project.

Also, Thanks to Department of Computer Engineering, Cosmos College of Management & Technology which helps to manage matters related to this website. A paper is not enough for us to express the support and guidance. We received from them almost for all the work we did there.

Finally, we apologize all other unnamed who helped us in various ways to have a good project.

2. Abstract

The proposed Bistro cafe website is a website representing a virtual café Bistro and its online reflection of its services through the Internet as well as other information's and networking systems. The cafe website allow a customer to look for and order foods and view services. Depending on the approach, the Admin may specify costs or customize the website and the Customer to view all those and order his/her preferences. Transactions can be initiated and completed through online system that will possibly automate some cafe chores, or finding suppliers, customers & expansion of business. Finding, ordering of food items and cafe info become easier and faster with the use of Bistro's Website. The new generation of Online Cafe System is now on-demand or a software-as-a-service.

3. Background

3.1. Origin of Ideas

Nepal is going digital and so are the businesses. The cafe need to focus on efficiency and cost-saving approach to provide users with the best service and grow their business. The online food ordering system is one of the latest servicers most fast food restaurants in the western world are adopting. With this method, food is ordered online and delivered to the customer.

Due to the great increase in the awareness of internet and the technologies associated with it, several opportunities are coming up on the web. So many businesses and companies now venture into their business with ease because of the internet. One of such business that the internet introduced is an online food ordering system. In today's age of fast food and take out, many cafes have chosen to focus on quick preparation and speedy delivery of orders rather than offering a rich dining experience.

Today in the fierce competition, as margins get tighter, however, successful operators need a website to do much more than just simple static stuffs. This arose the need for an efficient and customizable cafe website.

3.2. Scope

In this project, a cafe website is designed and Bistro Cafe is taken as a case study to enable customers order for food and get it delivered accordingly and also to reduce the long queues of customers at the counter ordering for food and to reduce the work load on the employees. The following things are among other things that are discussed and what the website would handle:

- About the cafe
- Contact details of the cafe
- The cafe and the services offered there
- Online purchase
- Name and Price of food provided

3.3. Others

In view of the rapid development of computer technology in almost all the fields of operation and its use in relation to information management, it has become important to look into the development of online ordering system for firms to meet up with demands of the customers. Therefore, the food ordering and delivery system will help customers and management to:

1. Advertise available foods in their company
2. Reduce the workload in the present system
3. Reduce time wasted in data processing
4. Create a platform for online purchase and delivery of fast food
5. Keep accurate record on purchased order and delivery.

4. Problem Statement

As industries are fast expanding, people are seeking for more ways to purchase products with much ease and still maintain cost effectiveness. The vendors need to purchase the products in order to sell to end users. The manual method of going to their local food sales outlets to purchase food is becoming obsolete and more tasking. Food can be ordered through the internet and payment made without going to the restaurant or the food vendor. So there is need for a wide range of publicity and enabling direct order, processing and delivering of food through online system. For this system, there will be a system administrator who will have the rights to enter the menu with current prevailing prices.

5. Project Objectives

This study lays out a framework for a new system to be developed and brought to the market for maximum use and to create an avenue through the web where users can log on to our server and make a selection of whatever goods or food they like and subsequently pay via the internet. The following are the objectives this would bring:

- I. The home page of this web interface provides an avenue where customers will be able to gather more and reliable information about what the fast food industry really does.
- II. The products and services offered would provide the customers with all the different categories of available products that they can choose and select from.
- III. This will provide a user friendly environment between the customer and employee thus increasing the efficiency of the food ordering system.
- IV. There will also be an online purchase form with which valued customers will be using to get in touch with any of their request whenever the need arises.
- V. It will also help for easy retrieval of orders made by the customers.

6. Project Methodology

6.1. Research Methodology

Research methodology has many research dimensions and methods. The scope of research methodology is wider than research method. This is mainly adopted by the researcher in undertaking this research. A waterfall model under the software development life cycle (SDLC) is the methodology used to produce the online food ordering system and the customer self-ordering system. It is used by system developers to produce or alter information systems or software.

6.2. Methods of Data Collection

Although there are various methods of data collection, we chose the secondary sources of data. The secondary data are obtained by the researcher from magazines, journals, newspapers and library source. Manuals and report based on fast food services were obtained and studied and a lot of information concerning the system to be produced was obtained.

6.3. Analysis of Existing System

Throughout the system analysis, an in-depth, study of end-user information is conducted, for producing functional requirement of the proposed system. Data about the existing ordering system is collected through several fact-finding techniques such as website visit and document review, at the beginning of this stage.

6.4. The Existing System

The existing system happens to be a non-computerized operating system where all operations are done manually by the waiter carrying paper and to take down the order of the customer or making an order over the counter. This leads to mistakes because the waiter might not understand what the customer had ordered therefore serving him/her a different menu. This could be so embarrassing because the customer might not take it lightly with the waiter which may lead to misunderstanding.

6.5. Justification for the New System

It is the purpose of the new system to address all the problems plaguing the present system. This system will do the analyzing and storing of information either automatically or interactively. It will make use of php, MySQL. This will be like this: a report is generated conforming to particular information needed by the management via the monitor. This will require the input of necessary data and record of food ordering.

The development of this system will be based on HTML, CSS, the CSS framework Bootstrap, php as the programming language while MySQL server as the database of the system. HTML language is advantageous due to its easy to use and learn validation properties while MySQL has better advanced features and properties, has good security, is open source & has cross platform

operability. The advantage of using php programming language in developing this system include

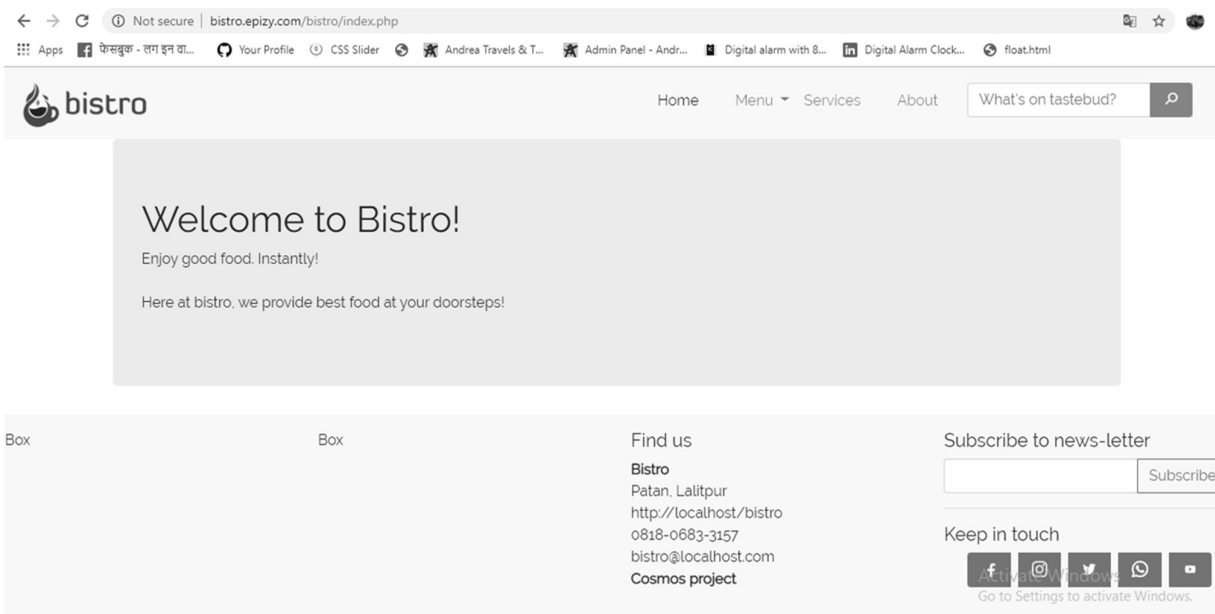
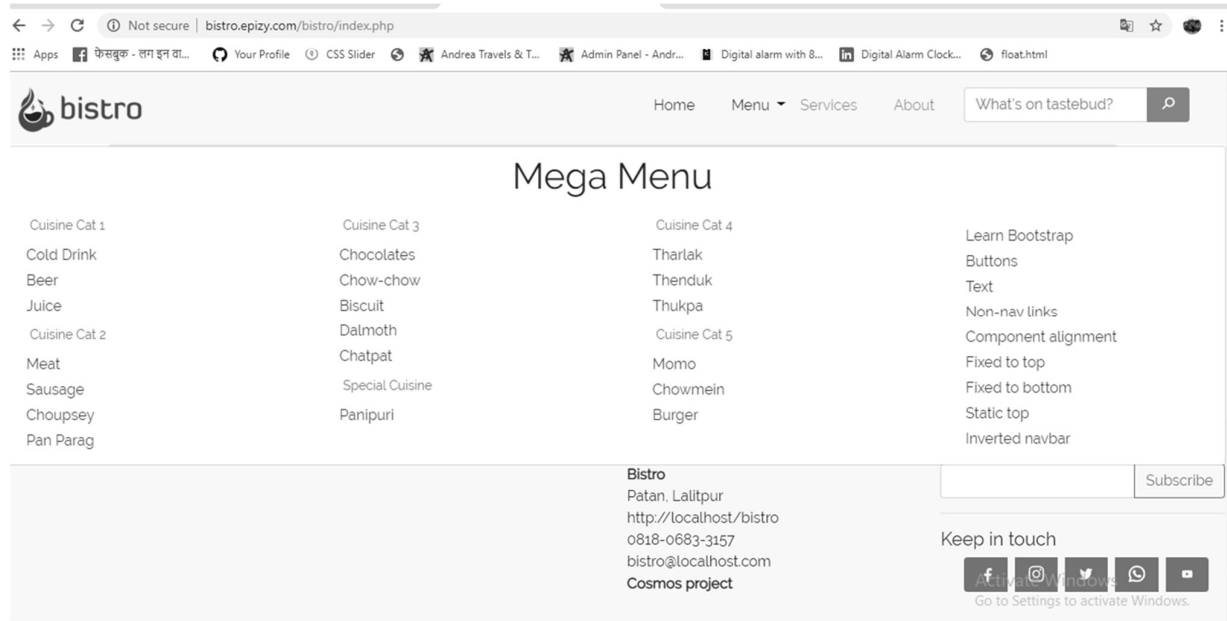
- It is stable open source language developed and maintained by a large group of php developers, which help in creating a support community and abundant extension library.
- It's easy to learn and use.
- Can be done on many platforms thus easy for users to find hosting service.
- It has built in database connection modules which makes it easy to connect to the database. On the other hand, the disadvantage of php programming language is security since it is open source so all people can see the source code, if there are bugs in the source code, it can be used by people to explore the weakness of php.

The proposed system will also have some other features such as:

- Accuracy in handling of data.
- The volume of paper work will be greatly reduced.
- Flexibility (i.e. it can be accessed at any time).
- Better storage and faster retrieval system.
- Errors in the reports will be greatly minimized.

7. Partial Output

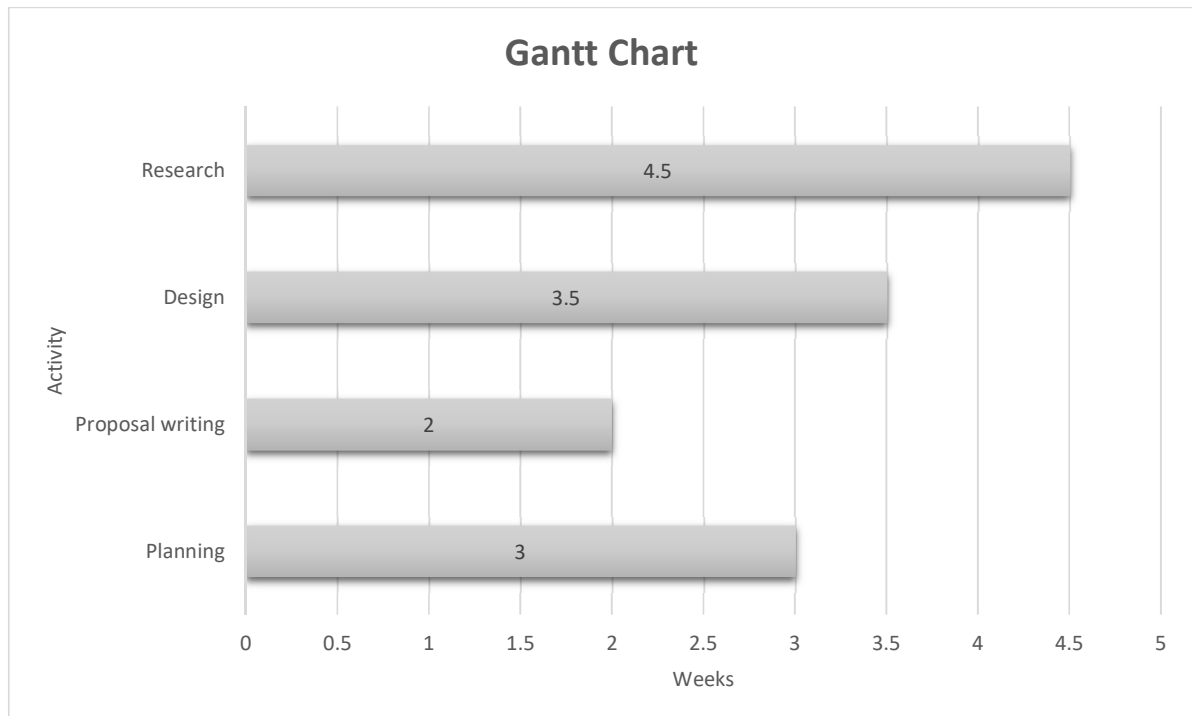
Here, we have completed 30% of our work. The completed pages of our site can be shown below:



8. Expected Output

Our website is a website that fulfills digital requirements of a cafe that informs and engages a digital audience. This website provides insight of the company, it's contact and location info. Along it, this provides platform for a customer to browse through and select his/her preferences of food and order it. Admin can view all those orders in his panel and delete it. Also s/he can alter website contents. Thus, our website is planned to be customizable.

9. Working Schedule



10. Conclusion

The primary goal of this project is to design a website capable of handling orders of customer base of a virtual cafe. Our project will commence after planning of the contents, structure of the website. More detailed study is needed to be made regarding the problems and prospects of cafe website development. Our project will be started and a full sketch of the project will be available till mid proposal. Further possible expansions or removal of some impractical plans will also be made. A lots of efforts needs to be and is expected to be put on by we, dreaming about creating a beautiful, responsive, user-friendly and efficient website for our virtual cafe '*Bistro*'.

11. References

The following references were used in order to create the project and the project proposal:

- Google
- <http://www.foodmandu.com>
- <https://themeforest.net/item/bistro-food-restaurant/17809344>
- <https://www.w3schools.com>
- Mr. Prayush Maharjan, Teacher at NIIT.