Vegetable Store Management System PDF

ONLINE VEGETABLE MARKET

A Project Report

Submitted in partial fulfilment of the

Requirements for the award of the Degree of

BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)

By

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Seat number: -10

Under the esteemed guidance of

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DEPARTMENT OF INFORMATION TECHNOLGY

MAHATMA PHULE COLLEGE OF ARTS, SCIENCE, COMMERCE AND MANAGEMENT (BMS)

(Affiliated to University of Mumbai)

MUMBAI-400012

MAHARASHTRA

2019-2020

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1954

CERTIFICATE

This is to certify that the project entitled,"online vegetable market", is bonafied work of **Mr. Md Bakhtiyar** bearing seat no: - submitted in partial fulfilment of the requirements for the award of degree of BACHELOR OF SCIENCE in INFORMATION TECHNOLOGY from University of Mumbai.

Internal Guide **Coordinator**

External Examiner

Date: - **College Seal**

Abstract

The concept of Online vegetable market, since it is mobile application, I will keep everything as simple as possible. The project consists in an android application that can be used by customer to place the desired timing.

The web-portal is being managed by the owner to check the order and make the availability for the customer. This system wake to provide service facility and also to the customer.

The vegetables that are provided by the customer through the system, customer information management menu information management and report.

Main objective is to provide ordering and reservation vegetable to customer.

ACKNOWLEDGEMENT

My successful completion of this project, perfect guidance, was more than just I desire to earn a valued degree. Many others, without whose help this project would not have seen the light of the day, must be acknowledged here for their immense contribution and assistance.

I express thanks and gratitude to my internal guide "**Ms. Dipali Pednekar**" for her valuable guidance at every stage of the project.

I would like to thank my college I.T coordinator "**Ms.Sangita Zarkar**" for granting permission for doing this project.

I would also like to thank my colleagues for giving their helping hand. Last but not the least, I express thanks to my parents for their support.

I hope that you will appropriate this report. Your valuable suggestions are always welcome.

DECLARATION

I hereby declare that the project entitled, "**Online vegetable market**" done at **Mumbai**, has not been in any case duplicated to submit to any other university for the award of any degree. To the best of my knowledge other than me, no one has submitted to any other university.

The project is done in partial fulfilment of the requirements for the award of degree of **BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)** to be submitted as final semester project as part of our curriculum.

Mr. Md Bakhtiyar

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CHAPTER 1

INTRODUCTION

1.1BACKGROUND

India is the second largest producer of vegetables in the world after China. It accounts for about 15 per cent of the world's production of vegetables. Hardly 2 per cent of perishable horticultural produce is processed to value added products. Hence, there is huge scope for processing of vegetables. This wastage can be easily prevented by adopting various methods of preservations. At the same time, there is market glut during harvesting season and farmers are forced to sell their produce at throw away prices. Therefore, food processing industries can help farmers to get sure income for their produce and also avoid market glut.

1.2 OBJECTIVES

The purpose of the project is to create a system of mobile application to access by the customer to book the vegetable of a particular store with specific details. So that there will be no wastage of time.

Specific objective: -

1. To help speed up the process of store.
2. To automated the manual reservation of the shop.
3. To standardized the reservation system with the list of guests.
4. To reduce the amount of time and effort consume by the customer to reserve.
5. Provide user account and password to ensure the security of stored files.
6. To avoid manual and repeating work.

1.3 PURPOSE AND SCOPE

1.3.1 Purpose: -

I propose to build a software project that can efficiently handle and manage various activities of a vegetable shop and all these activities will be happening under the supervision of the administrator. At the same time, the need for managing its operations and tasks arises.

Today's generation encourages high-tech services especially over the Internet. Hence the project is developed proficiently to help store owners automate their business operations.

In some store it's a given that customer will wait for half an hour after ordering to actually get the vegetable. This system aims to redefine this structure by bringing everything to customer.

It is convenient self-service table booking System that can be embedded on any website. With the online vegetable market, you can create a customized booking process, let people order vegetable through website, manage availability and reservations.

1.3.2 Scope: -

This document describes the requirements of the digital menu cards and its advantage over the formal environment. Four related system interface encompassed by the general scope of the menu and ordering system.

The first system interface related to the problem of the waiting time outside the store, which can be solved with the help of the application, this shows the live status of the vegetable shop.

The second interface is related to the replacement of the current menu with the digital menu cards.

The third interface is the system interface is related to the digital system for the shop manager to upload the information dynamically.

The fourth interface is for the transferring of customer order automatically to the store, which is displayed on the screen.

The scope of proposed system defines the features of the system. In future produce mobile app to adding the features of following: -

1) Provide dynamic menu

2) Live status of store.

3) Order the vegetable from tablet or mobile.

4) Payment through application.

1.3.3 APPLICABILITY: -

The project will be online and will be available to all its users with all the needs taken care of the customer is not in contact with internet and with social media then we have also arrange advertisement with the help of brochure which will contain our contact numbers, E-mail address etc.

1.3.5 ORGANISATION OF REPORT

India is the second largest producer of vegetables in the world after China. It accounts for about 15 per cent of the world's production of vegetables. Hardly 2 per cent of perishable horticultural produce is processed to value added products. Hence, there is huge scope for processing of vegetables. This wastage can be easily prevented by adopting various methods of preservations. At the same time, there is market glut during harvesting season and farmers are forced to sell their produce at throw away prices. Therefore, food processing industries can help farmers to get sure income for their produce and also avoid market glut.

CHAPTER -2

SURVEY OF TECHNOLOGY

WHY USE JAVA LANGUAGE? :-

Java is a popular general-purpose programming language and computing platform. It is fast, reliable, and secure. To run Java, an abstract machine called Java Virtual Machine (JVM) is used. The JVM executes the Java bytecode. Then, the CPU executes the JVM. Since all JVMs works exactly the same, the same code works on other operating systems as well, making Java platform-independent. Java is one of the fastest programming languages. Well optimized Java code is nearly as fast as lower level languages like C/C++, and much faster than Python, PHP etc. Provides secure platform for developing and running applications.

Some features of java as follows: -

1. Java pages are compiled, not interpreted the code is compiled info efficient binary files, which can be run very quickly, again and again, without the overhead involved in reading the page each time.

2. Java makes it easy to reuse common user interface elements in many web forms.

3. NetBeans is a free, powerful java editor that includes features such as code auto completion, code formatting, database integration functionality, editor, debugging, and more.

WHY USE XML LANGUAGE? :-

- XML stands for extensible Mark-up Language
- XML is a mark-up language much like HTML
- XML was designed to store and transport data
- XML was designed to carry data - with focus on what data is
- HTML was designed to display data - with focus on how data looks
- XML is used in many aspects of web development.
- XML is often used to separate data from presentation.

WHY USED MYSQL SERVER? :-

Features of MYSQL server:

1) Portability across computer system.
2) Programmatic database access.
3) Multiple views of the data.
4) Dynamic data definition.
5) Internet database access.

Data types: -

1. Many data types: -signed/unsigned integers 1,2,3,4 and 8 bytes long, FLOAT, DOUBLE, VARCHAR, TEXT, DATETIME, and STRING.
2. Fixed –length and variable –length records

Security: -

1. A privilege and password system that is very flexible and secure, that allows host-based verification
2. Passwords are secure because all password traffic is encrypted when you connect to the server.

Scalability and Limits: -

1. Handles large databases
2. Up to 64 indexes per table are allowed

CHAPTER 3

SYSTEM ANALYSIS

3.1 PROBLEM DEFINITION

EXISTING SYSTEM: -

Before there is no android application is available for monitoring the price of vegetables in the local market. The price of the vegetables is telecasted on a television but it only on a particular time only. Also the prices are printed in the daily newspaper but that is not showing the exact price of vegetables in a required time.

The existing system fully based on manual work. All the details stored and maintained by a paper, board etc. This system takes lot of time for updating the information. All the data handled by manual so, easily data are loss. Less security for data. User can not view prices at anywhere and anytime by using the existing systems.

Disadvantages:

- The existing system are having only less security and safety features because the components (such as board and paper) are used to show the price of the vegetables in the local market can be easily damaged by some causes.
- The time taken to this work is more because of it take the too much of time to displaying the prices by manual process. In this system all work is finished by manual but now the all types of process are done by the computerized equipment's. These are the main drawback of this system

3.2 REQUIREMENT SPECIFICATION

PROPOSED SYSTEM: -

We create an android application for monitoring the vegetables through internet. The main aim of this application is to reduce the manual work of the people. In this application all details and records are maintained database software.

Vegetables names and vegetable prices are displayed in the application. Whenever we need data, we can easily access the database to retrieve the data that are already stored at anywhere in the world. The prices will be updated periodically day by day. The records are frequently

updated by the admin of the application. It provides a simple user interface to the users. The working method of users are designed by very simple.

Advantages:

- The retrieval of vegetable prices is very fast in this application and it also easy to the users. It reduces the manual work of the local market members.
- The users get quick update about the prices of vegetables in the market.
- The prices will be updated periodically.
- The updating of prices is very easy in this application. Using of this application user can view the vegetable prices at anywhere.
- The application needs one time updates per day. The simple clicking options improve the interface of the app.

➢ Modifiable Menu

- The hotel manager can modify the menu according to the availability.
- The new menu also can be added to the menu card.

➢ Handling and storing items

- The generation of the customer bill is done dynamically.
- The bill is automatically stored for the further references.

➢ Attractive offer

- The application shows different offers that are available.
- It will also show special offer for the customer who will visit the application frequently.

REQUIREMENT ANALYSIS: -

It is the first step of the project. The requirements can be defined as "A complete understanding of the software development effort system requirements should set out what the system should do rather than how this is done. A requirement may be a functional requirement, that is, it describes system service or function. Alternatively, it may be a non-functional requirement, that is, a constraint placed on the system.

Functional requirements: -

1) System should allow the user to select restaurant and menus from catalog.
2) System should provide check table availability and reserve table.

3) System should provide facility to check order state.
4) System should provide facility to customer validation.

Non-functional requirements: -

Performance: -Server should be minimized as much as possible to get maximum performance.

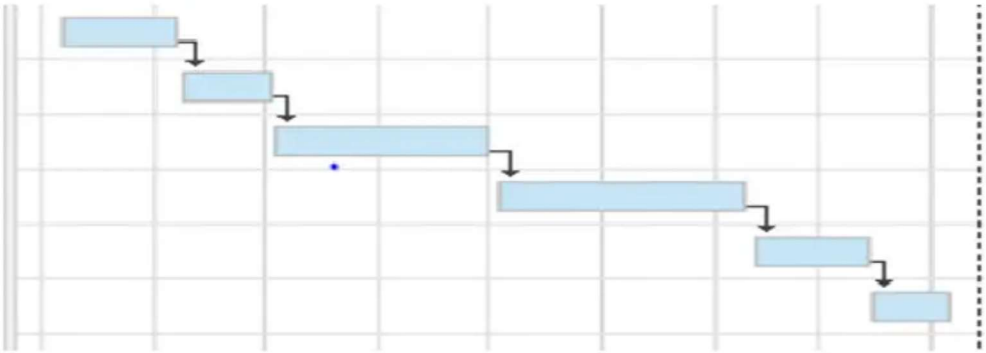
Availability: -Because customer access the website across the world, it needs to be able to be available 24 hours a day, 7-day s a week.

Reliability: - Because of 24*7 availability, backup plan and procedures must be introduced.

3.3 PLANNING AND SCHEDULING: -

Gantt Chart: -

Information gatherin	24.5d	08/06/18	09/07/18	
analysis phase	17d	09/07/18	10/02/18	13
Design Phase	43.5d	10/02/18	11/30/18	14
Coding / Implementi	50d	12/03/18	02/08/19	15
testing	24d	02/11/19	03/14/19	16
Maintanence	16d	03/15/19	04/05/19	17



Pie Chart: -

Activity	Duration	Precedents
A-Introduction	7 Days	-
B-Objectives, Purpose, Scope	8 Days	A
C-Main Issues, Applicability, Organization of Report	22 Days	B
D-Survey of Technologies	12 Days	C
E-Questionnaire	6 Days	D
F-System Requirements, Data Models	7 Days	E
G-System Design, UI Design	8 Days	F
H-Implementation And Testing	45 Days	G
I-Results And Discussion	17 Days	H
J-Conclusions	10 Days	I

Activity	Optimistic (a)	Most Likely (m)	Pessimistic (b)	Expected (T_e)	Standard Deviation (s)
A	5	7	9	7	0.66
B	6	8	10	8	0.66
C	20	22	24	22	0.66
D	10	12	24	12	0.66
E	4	6	8	6	0.66
F	4	7	8	6	0.66
G	5	8	10	34	0.66
H	43	45	47	45	0.66
I	15	17	19	17	0.66
J	8	10	15	23	0.66

3.4 HARDWARE REQUIREMENT AND SOFTWARE REQUIREMENT: -

- HARDWARE REQUIREMENT: -

1 Processor: - Intel(R) Core(TM) i3-5005U CPU @ 2.00GHz 2.00 GHz

2. Memory: - 8.00 GB RAM for windows XP/windows7/windows8/windows 8.1

3. System Type: - 64 bit Operating System, x64-based processor

- SOFTWARE REQUIREMENTS: -

1. FRONTEND: - Java
2. BACKEND: - My SQL.
3. BROWSER: - Google Chrome & Mozilla Firefox.

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