



E – BASKET

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Abstract: In this era of the internet, e-commerce is growing by leaps and bounds keeping the growth of brick-and-mortar businesses in the dust. In many cases, brick-and-mortar businesses are resorting to having a counterpart that is internet or e-commerce-driven. People in the developed world and a growing number of people in the developing world now use e-commerce websites daily to make their everyday purchases. Still, the proliferation of e-commerce in the under-developed world is not that great and there is a lot to desire for. This paper outlines different aspects of developing an e-commerce website and the optimum solution to the challenges involved in developing one. It consists of the planning process, which starts with determining the use case, domain modelling, and architectural pattern of the web application. The entire development process is primarily divided into two parts: front-end development and back-end development. The database design is also discussed with an emphasis on its relational connectivity. This no-nonsense method of developing an e-commerce website can be easily replicated and followed in developing e-commerce websites in developing and under-developed countries where computing resources are scarce and expensive because of their socio-economic condition.

Keywords: E-Commerce, brick, and mortar, website.

INTRODUCTION

India is a developing country and Information Technology is playing a crucial role in the development of the country. By eCommerce, we mean buying and selling of products or services over electronic systems such as the Internet and other computer networks. In truth, India is getting used to using new applications for online payments and e-commerce websites. There are new players on the Indian ground who wants to revolutionize the way the Indian e-commerce field is taken. With the launch of these services, many new start-ups can easily sell their products and services online. These services have lots of potential and we hope they will succeed and bring a change in the eCommerce field. E-commerce is fast gaining ground as an accepted and used business paradigm. More and more business houses are implementing websites providing functionality for performing commercial transactions over the web. It is reasonable to say that the process of shopping on the web is becoming commonplace. The objective of this project is to develop a general-purpose e-commerce store where anyone can sell and buy vegetables, groceries, and fruits from the comfort of home through the Internet. However, for implementation purposes, this paper will deal with an online vegetable store. An online store is a virtual store on the Internet where customers can browse the catalogue and select products of interest. The selected items may be collected in a shopping cart. At checkout time, the items in the shopping cart will be presented as an order. At that time, more information will be needed to complete the transaction. Usually, the customer will be asked to fill or select a billing address, a shipping address, a shipping option, and payment information such as a credit card number. Email notification is sent to the customer as soon as the order is placed.

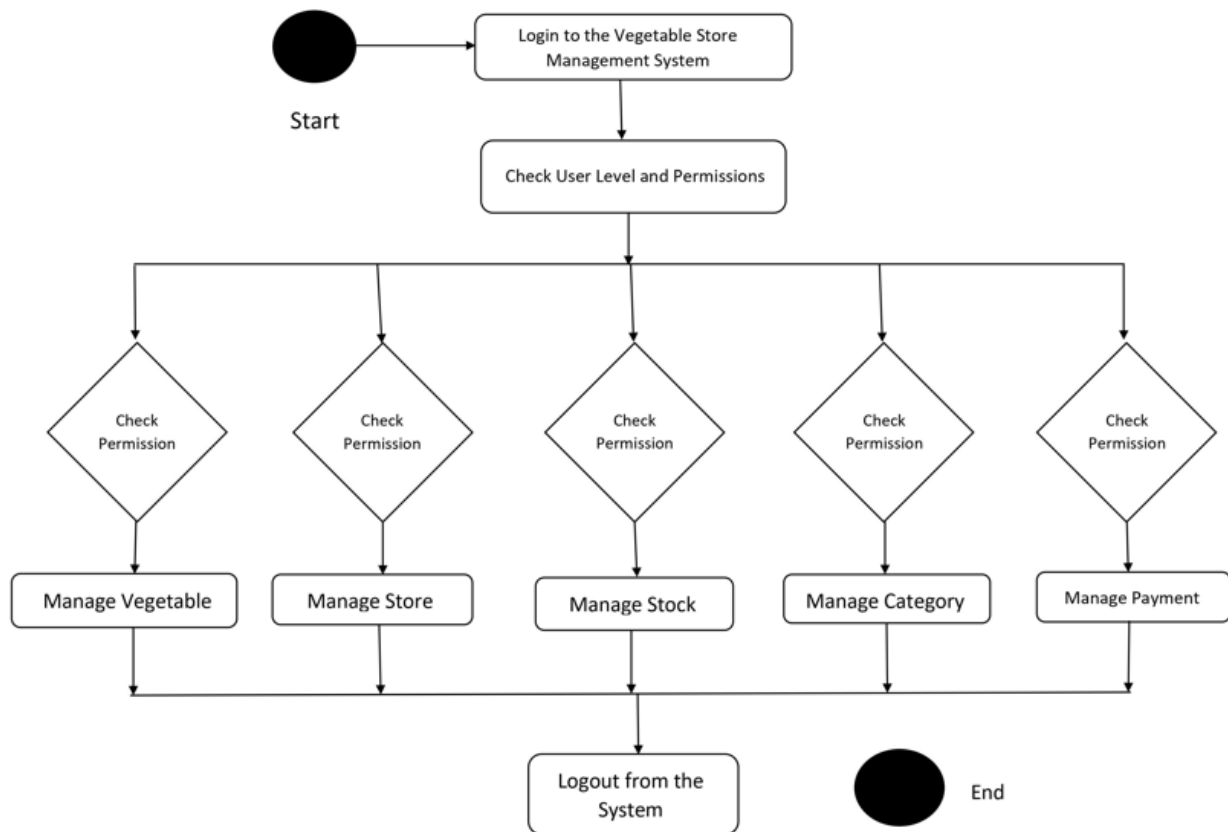
PROPOSED SYSTEM

We are proposing a system in which Organic veggies and fruits are available for purchase online. Customers should be notified when they buy certain veggies and fruits. Customers may get veggies and fruits at affordable prices with discounts. Customers are informed about the newest deals and product schemes. The things are delivered to the customer's door. This service is for users who do not have enough time to go to a certain store and buy veggies and fruits.

- Datasets (historical data, Real-time traffic data, External Data) allow you to identify traffic patterns at a different scale: during the day, on different days of the week, seasonal, etc. They are usually easier, faster, and cheaper to implement. However, they are less accurate since they can't process as much multivariate data.
- An activity is a system operation that changes the state of the system by involving some classes in the system. Activity diagrams are commonly used to represent workflow, business processes, and internal operations. Activity



diagrams can depict conditional or simultaneous actions. By depicting the movement of control from activity to activity, an activity diagram depicts the dynamic character of a system.



- AJAX allows web pages to be updated asynchronously by exchanging data with a web server behind the scenes. This means that it is possible to update parts of a web page, without reloading the whole page.

AJAX just uses a combination of:

- A browser built-in XMLHttpRequest object (to request data from a web server)
- JavaScript and HTML DOM (to display or use the data)

- JavaScript is the Programming Language for the Web JavaScript can update and change both HTML and CSS. JavaScript can calculate, manipulate and validate data.

- Bootstrap is the most popular CSS framework for developing responsive and mobile-first websites. The container class is one of the most important Bootstrap classes. It provides margins, padding, alignments, and more, to HTML elements.

- CodeIgniter is open-source software used to develop the web framework that is to be put to use to create dynamic web pages and websites in the PHP language. The CodeIgniter is majorly used to alter the Hierarchical Model View Controller (HMVC) and permits the developers to organize a modular level of grouping of controllers, views, and models. These are also arranged in a subdirectory format. This framework is popular for vibrant speed and rapid responsiveness in comparison to other PHP frameworks.

- PHP is a server-side scripting language that is embedded in HTML. PHP allows web developers to create dynamic content and interact with databases. PHP is known for its simplicity, speed, and flexibility features which have made it a cornerstone in the web development world.

**OBJECTIVES**

- The major objective of the Online Vegetable Store is to keep track of vegetable data, customer orders, transactions, and payments.
- It keeps track of Vegetables, Stocks, Payments, and Vegetables. Because the project is entirely administrative, only the administrator has access.
- The goal of the project is to create application software that will decrease manual labour in the management of vegetables, customers, stocks, and orders.
- It keeps track of all orders, transaction, and payment data.

PROBLEM STATEMENT

To solve the problems related to the existing system of e-commerce we have developed the e-commerce web application system by which people/users can interact with the system and purchase fruits and vegetables. As well as users can able to purchase from business to business or business to consumer. Customers have the option of purchasing organic and sanitary fruits and veggies delivered to their homes, saving them time. This is for those who do not have enough time to go out and buy fruits and veggies.

RELATED WORK

This application can be used in our day-to-day life, where people are so busy with their work and don't have time to buy vegetables, fruits, groceries, etc. So, this web application will help them in their daily routine. There has been a lot of media coverage on E-Commerce in recent years. However, the concept of E-Commerce is still unclear to many people due to its newness. For business executives, it is even more mysterious since there are no proven business models for generating profits. Conducting research in the E-Commerce area reveals a few dominant trends:

E-Commerce revenues will grow explosively.

E-Commerce is crucial for business survival.

E-Commerce decisions are complex.

Consulting firms are experiencing rapid declines in key practice areas.

The implications for these trends are as follows:

Organizations feel the need for expert advice.

E-Commerce is the new business opportunity for consulting firms.

Consulting firms need structured, proven, E-Commerce methodologies.

These trends and implications are the driving forces for the project.

METHODOLOGIES

Design methodology

The five phases of the project are as follows:

Scoping and planning

This phase focuses on the planning of the project's overall direction, including the definition of the project's scope, objectives, and timelines. The deliverable from this phase is this Design Plan.

Conceptual design and research

In this phase, the conceptual design of the methodology is developed and research on existing methodologies is conducted. Research is performed from independent research firms, such as the Gartner Group, Forrester Research, and CIO.com. These research firms sometimes publish the methodologies that consulting firms use. Consulting firms' websites are another source for researching E-commerce strategy methodologies.



Development of methodology

The actual methodology is developed in this phase. Detailed descriptions of each task in the methodology are documented, including the objectives, inputs, approach, relevant models, applicable tools and techniques, outputs, and any references. The methodology is to be documented in an appropriate format, be it a Word document or HTML pages.

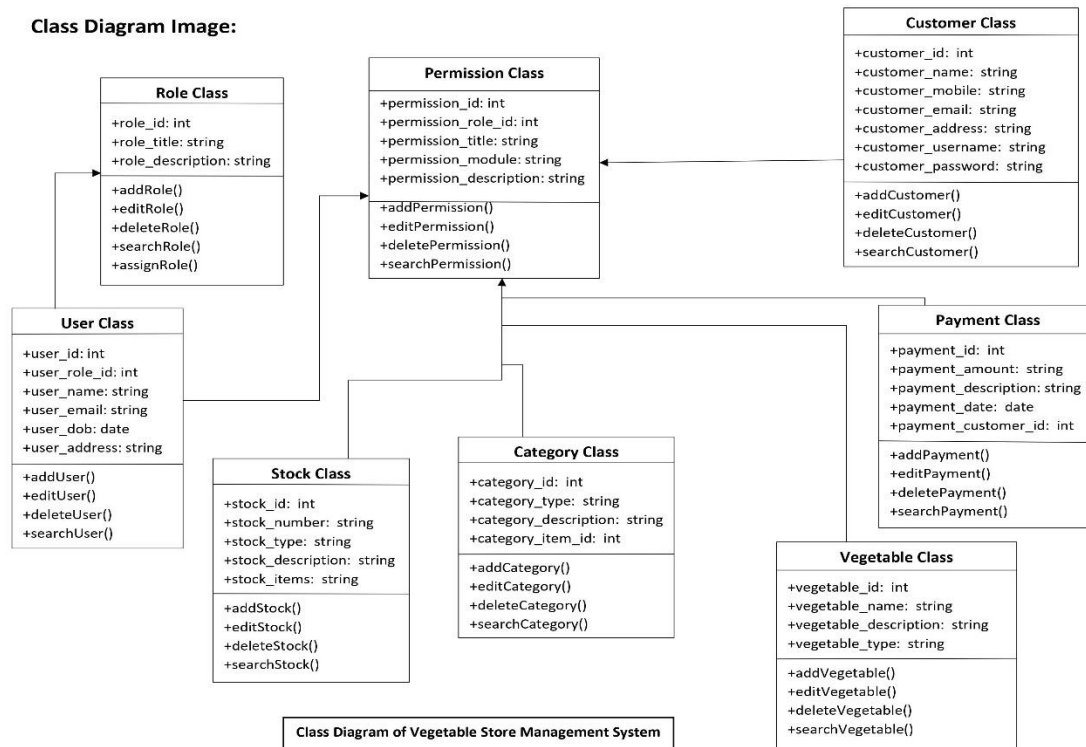
Implementation of methodology

The methodology will be implemented with a client. This phase includes the marketing of E-commerce strategy development services and the closing of the sale, followed by the actual implementation.

Revision of methodology

Final touches and revisions to the methodology are made in this phase. The majority of these revisions come from experiences on the client project. Sample reports and any additional references are added to the methodology.

CLASS DIAGRAM



CONCLUSION

E-Commerce still represents one of the business methods that take advantage if done the right way, even if the stock market and commodities fell, E-commerce is still able to survive and receive the high transaction where consumers desire to buy products better, faster, and cheaper. E-Commerce has a tremendous opportunity in the course of business in Malaysia. In addition, it also introduces new techniques and styles in a transaction. Using extensive E-Commerce in the internet world is actually much better to bring the goodness of the individual or the state. But it has advantages as well as disadvantages which can be solved by taking action on it and solving the problems which occur.

Ecommerce has undeniably become an important part of our society. The successful companies of the future will be those that take E-commerce as not an IT issue but a whole business undertaking. Most people are aware whenever they buy online goods, and products so that they get good quality things. Moreover, e-commerce is a helpful technology that gives the consumer access to businesses and companies all over the world.

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