

Application of Online Goods Booking System using Php and MySQL

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Abstract

The booking of goods through online plays a major role in today's world of digitalization and E-commerce. It makes the customers to book their required goods being anywhere at anytime. People who are unable to visit the shops in person can use this application to reach out their needs. The "Online Goods Booking System" include the booking of required goods by the customers and thereby to notify the company through mail. The management of the company is concerned with the increasing effort in keeping the records of the customers and the items booked by them. The company also manages the records of quantity of items and the timeline that when it was booked by the customers. The website facilitates the customers to book their required goods priorly and get it in their comfortable timeline. The user can

search the availability of items and its quantity through this website. To book the desired items the user has to give their information like name, mobile-no, mail-id, date of booking, preferred date of delivery, specification of items and its quantity. The interface is user friendly. Once if the user books the items through the website the company would receive that information through e-mail.

1.Introduction

One of the most important advantages of online booking platforms is that it is always open for business. It can accept bookings 24/7. So, the customers don't need to wait until subsequent day to book a reservation or address one among the competitors. It has the convenience to book when it's right for them, and to collect bookings while in the time of sleep. Booking systems helps to do more with less effort. Once the business gets entered into the respective platform, it is not

needed to call the customers for reminders, send follow up emails, or manually update the inventory on OTA's (Other Transaction Authority) like officials of bank ever again. This all runs within the background. So, the staffs can specialise in serving the customers. Customers today expect instant gratification in a booking system that can assist to provide such facility. The decreasing line-ups, have the power to switch inventory with a couple of frustration clicks, and never need to say "one moment" to a customer expecting to urge off the phone again. A booking system keeps track of every reservation and therefore the details tied thereto. This means that it can be used simply to seek out reports of what customers are making the foremost money, get a far better understanding of who the typical customer is, and have real-time insights into the cash flow. It has all the tools and information needed to grow the business.

2. Background Study

The importance of computer and its application have been recognized globally. The impact computers to the society have been fallen in goods booking system. Computer booking system (CBS) has brought a lot of change, improvement and efficiency in shopping operation. There is a great need for an easy, quick and reliable information system to aid the customer in

reaching out to their needs. Products is one of the basic necessities of life. Individuals need products or goods to run their life at any cost. Different professionals travel out of their domain in order to achieve certain aims and objectives such as E-commerce. A store can be simply defined as a building or a place to receive goods and use it according to its life span. In many states or countries either a small store or big supermarket is defined based on their status. Shops and stores are as diverse as many employees and goods that accommodate. Establishment varies greatly in size and service that are provided. Most shops are commercial properties that cater mainly to business people, tourist and other customers who need to use a quality product for a long period of time. Larger supermarkets have go-downs and spacious rooms to accommodate various goods and products. There are some laid down principles regulating each room that can be occupied by each variety of goods. The goods are selected based on the customer's need.

3. Existing Work

The manual-based system requires numerous paper forms with data stores spread throughout the concern's infrastructure. Forms are often lost in transit between employees requiring a

comprehensive auditing process to ensure that no vital information is lost. Due to miscommunication between the employees multiple copies of same customer and goods information exist in the company and this may lead to inconsistencies in data in various data stores.

4. Proposed Work

The Online Goods Booking System is designed to replace the existing manual paper-based system. The new system is to make the customers to book their required goods through online (i.e. company's website) and thereby the company can maintain the records with the help of mail and database. Initially, the user has to enter their details like name, mobile-no, address, e-mail id, items required as inputs in the specified area. When these details are processed, the company would receive a mail notification about the customer's request. By concerning that the company shall respond to the request which makes the booking successful. The services are to be provided in an efficient, cost effective manner with the goal of reducing the time and resources currently required for today's office environment.

5. Php in Website creation

PHP is a popular general-purpose scripting language that is especially suited to web

development. It was originally created by Danish-Canadian programmer Rasmus Lerdorf in 1994. The PHP reference implementation is now produced by The PHP Group. PHP originally stood for Personal Home Page, but it now stands for the recursive initialism PHP: Hypertext Pre-processor. PHP code is typically processed on an internet server by a PHP interpreter implemented as a module, a daemon or as a standard Gateway Interface (CGI) executable. On an internet server, the results of the interpreted and executed PHP code which can be any sort of data, like generated HTML or binary image data would form the entire or a part of a HTTP response. Various web template systems, web page management systems, and web frameworks exist which may be used to orchestrate or facilitate the generation of that response. Additionally, PHP are often used for several programming tasks outside of the online context, like standalone graphical applications and robotic drone control. Arbitrary PHP code also can be interpreted and executed via command-line interface (CLI). The standard PHP interpreter, powered by the Zend Engine, is free software released under the PHP License. PHP has been widely ported and may be deployed on most web servers on almost every OS and platform, freed from charge.

6.MySQL in Website creation

MySQL is an open-source relational database management system (RDBMS). Its name is a combination of "My", the name of co-founder Michael Widenius's daughter, and "SQL", the abbreviation for Structured Query language. An electronic database organizes data into one or more data tables during which data types could also be associated with each other; these relations help to structure the information. SQL is a language used to create, modify and extract data from the relational database, as well as control user access to the database. In addition to relational databases and SQL, an RDBMS like MySQL works with an OS to implement an electronic database during a computer's storage system, manages users, allows for network access and facilitates testing database integrity and creation of backups. MySQL is free and open-source software under the terms of the GNU General Public License, and is additionally available under a spread of proprietary licenses. MySQL was owned and sponsored by the Swedish company MySQL AB, which was bought by Sun Microsystems (now Oracle Corporation).

7.Significance of Web development

Web development is the work involved in developing an internet site for the web

(World Wide Web) or an intranet (a private network). Web development can range from developing an easy single static page of plain text to complex web-based internet applications (webapps), electronic businesses, and social network services. A more comprehensive list of tasks to which web development commonly refers, may include web engineering, web design, web page development, client liaison, client-side/server-side scripting, web server and network security configuration, and e-commerce development. Among web professionals, "web development" usually refers to the main non-design aspects of building websites: writing mark-up and coding. Web development may use content management systems (CMS) to form content changes easier and available with basic technical skills. For larger organizations and businesses, web development teams can contain many people (web developers) and follow standard methods like Agile methodologies while developing websites.

8.Significance of E-commerce

The importance of E-Commerce web development in the present scenario has been gaining huge popularity owing to its benefits. E-commerce refers to doing business, buying or it can also be selling products or services either through the

internet or electronically. A unique identity on the web can be created, in addition, to help in marketing and selling the products. All thanks to the advantages of Ecommerce development has become one of the latest business trends for the web developers, which paved the way to do ecommerce business online. In order to start an online business, one should need an e-commerce development store which should contain eye-catchy visuals, precise content, intuitive navigation, and more user-friendliness. The listed are some of the main features that help us to attract more and more customers towards the website. For instance, different software tools are used such as X-cart, Mambo, OsCommerce, woocommerce plugin in WordPress development and Magento to create e-commerce development websites. e-commerce development has a great impact in the online business since the surpassing quality of e-commerce keys are provided. When compared with other traditional commerce methods, e-commerce is very cost effective one as it overcomes all sort of limitations like geographical barriers and lower cost of maintenance. There is an immense number of small and large business have cropped up these days and simultaneously it has started its online portals which led to an increase in demand of the online website development. It is a

way which offers more chances in order to understand the requirements of the client and it also makes easy quick interaction to streamline the trade processes and makes it faster and efficient. By implementing digital marketing services like search engine marketing and social media marketing, the sale of products and the services can be automatically increased in an e-commerce website development all over the internet without the compromise in its attributes, performance and also in its flow.

9. Significance of Php and MySQL in Web development

PHP may be a fast and feature-rich open source scripting language want to develop Web Applications or Internet / Intranet Applications. MySQL is a powerful open source database server built based on a relational database management system (RDBMS) and is capable of handling a large concurrent database connection. When combined together, talented PHP and MySQL developers can build very powerful and scalable Web / Internet / Intranet Applications. PHP and MySQL are mentioned as development tools. PHP and MySQL are Open Source and free development tools, and there's an outsized community of dedicated volunteer programmers who contribute to form improvements and are continuously adding

features to it. The development tools and database servers that need licensing costs have limited programming resources compared to opensource development tools, which have a huge and fast growing dedicated and knowledgeable community that extends around the world. There has been disagreement about which tool is better. Naturally, the developer who is more conversant in one tool over the opposite will stand behind the tool that he or she has experience with. With the experience, it has been found that, PHP and MySQL are the simplest development tools. When developed correctly, applications are often built with clean and straightforward usability, complex functionality, speed, power and scalability.

10. Testing Model

Pass the customer and goods information as inputs in to the test cases. It processes the information and returns the output as Pass/Fail to trigger errors.

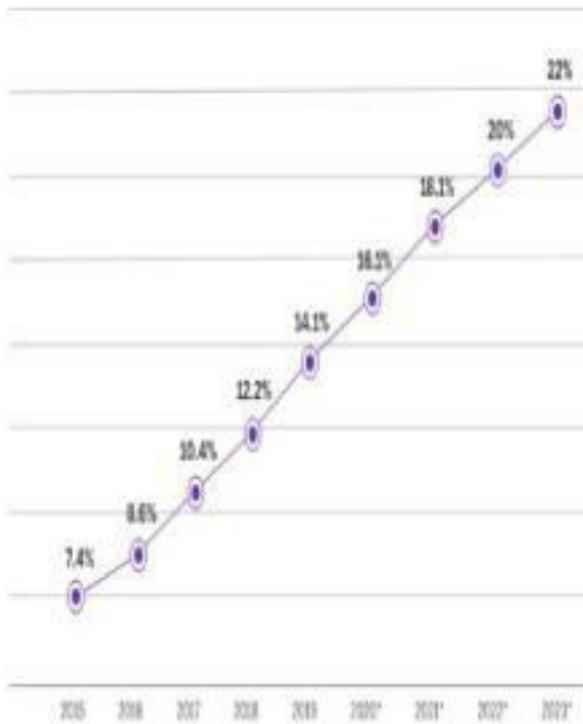
Test cases:

Test case is an object for execution for other modules in the architecture of the build. It does not represent any interaction by itself. A test case is a set of sequential steps to execute a test operating on a set of predefined inputs to produce certain expected outputs. There are two types of test cases: manual and automated. A

manual test case is executed manually while an automated test case is executed using automation. In system testing, test data should cover the possible values of each parameter based on the requirements. Since testing every value is impractical, a few values should be chosen from each equivalence class. An equivalence class is a set of values that should all be treated the same. Ideally, test cases that check error conditions are written separately from the functional test cases and should have steps to verify the error messages and logs. Realistically, if functional test cases are not yet written, it is ok for testers to check for error conditions when performing normal functional test cases. It should be clear which test data, if any is expected to trigger errors.

11.Graph depiction

Ecommerce share of total global retail sales from 2015 to 2023



The graphs mentioned above represents that the usage e-commerce and online booking applications is increasing year by year.

12.Conclusion

The online goods booking system has been successfully designed and implemented that allows direct interaction with the system. The project online goods booking system is to computerize the work in a concern. This is to summarize that system is a well-developed and satisfies all the requirement of the user with best performance. The

software takes care of all the requirements needed to book an item in a shop and is capable to provide easy and effective storage of information with the help of mail.

13.Future enhancements

The project is designed in such a way that is flexible for changes in the future to satisfy user requirements. Future extensions in the system can be made to submit more reports to the maintenance, this will give the management a clear picture of the process of the current system. The existing system has good scope for the development and it can be integrated with major builds like a module. The project is designed as a webpage that it can be further altered in the future. As this project is developed in php and html language, which is an open source language and the information retrieval in the database is done because of MySQL. The system is currently developed and ready for implementation in a highly feasible and user-friendly environment. It can have an enhancement in a proper way in the future according to the user's requirement.

14.References

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