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Project synopsis

On

Online bike rental system

Under the Guidance of

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ABSTRACT

This project is designed so as to be used by Bike Rental Company specializing in renting bikes to customers. It is an online system through which customers can view available bikes, register, view profile and book bike.
The advancement in Information Technology and internet penetration has greatly enhanced various business processes and communication between companies services provider and their customers of which bike rental industry is not left out. This E-Bike Rental system is developed to provide the following services.

INTRODUCTION

1.1 Project Description
This project is designed so as to be used by Bike Rental Company specializing in renting bikes to customers. It is an online system through which customers can view available
bikes, register, view profile and book bike.

1.2 Objective
The advancement in Information Technology and internet penetration has greatly enhanced various business processes and communication between companies services provider and their customers of which bike rental industry is not left out. This E-Bike Rental system is developed to provide the following services

•Enhance Business Processes To be able to use internet technology to project the rental company to the global world instead of limiting their services to their local domain alone, thus increase their return on investment.

Existing system

Bike Rental System service will help users to book a bike for some fee specified. Till now there was no clear web based UI to help the users to rent the vehicle. They had to manually rent the vehicle through their offices. It was a difficult task to manage rental vehicles. Keeping track of all the rental bikes was a problem.

Proposed system

This Bike Rental System project will enable the user to rent a vehicle. The user shall login to the system and check for availability of bikes. The user specifies a type of bike and the journey date and time. The Bike Rental System shall check for the availability of the bike and rent the bike to the customer. The user can make payment online. The tool is designed using PHP. All the data regarding the rental bikes are stored in MySQL database. The user has to enter his name, address, phone details and check for the bikes available for rent. The UI is very simple and the connectivity to back end is robust. The main advantage is that the user shall be able to choose a bike depending on his budget.

Hardware Requirements

Processor : Pentium Duel Core or above

RAM : 4GB

Hard Disk : 100 GB hard disk or above

Monitor : 15 inch Color Monitor

Keyboard : 102/104 Keys

Mouse : Optical Mouse

Software Requirements

Operating System : Windows 7/8/10 or Linux distribution

Browser : Chrome or Firefox or any browser

Front-end : HTML/CSS/PHP

Backend : PHP

Tools and technology used

A graphical user interface (GUI) is an interface for the user to communicate with a computer application using graphical symbols rather than typing the instructions in. The GUI of the proposed BIKE Rental system will be developed using HTML5,CSS and PHP (PHP Hypertext Processor).Hypertext Markup Language (HTML) is the standard markup language for creating web pages and web applications. HTML elements are the building blocks of HTML pages. With HTML constructs, images and other objects, such as interactive

forms,may be embedded into the rendered page. It provides a means to create structured documents by denoting structural semantics for text such as headings, paragraphs,lists, links, quotes and other items. HTML elements are delineated by tags, written using angle brackets. The BIKE Rental system uses HTML as the building blocks for creating UI elements. Cascading Style Sheets (CSS) is a style sheet language used for describing the presentation of a document written in a markup language.

Conclusion

BIKE Rental System is a web application and it is restricted to only limited type of users. In this application, Admin have been given access rights and are restricted up to certain functionalities, so that the data is maintained securely and redundant data is prevented. As the Data is stored electronically, it is necessary to have a Computer and Network connection to access the Application. It is a software which helps the user to rent BIKE base on their need. This software reduces the amount of manual data entry and gives greater efficiency. The User Interface of it is very friendly and can be easily used by anyone. It also decreases the amount of time taken to write details and other modules. At the end, this software can perform all the tasks accurately and can do the work for which it is made.