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**Modern Web Application(MWA)**

**Mini Project Report**

**On**

**Car Rental Or Car Washing Website**

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**Introduction:**

**PROJECT AIMS AND OBJECTIVES:**

The project aims and primary objectives are:

To develop a website offering car renting and car washing services.

Car rentals are useful for people who either don’t have personal vehicles or have their car damaged or under repairs, etc. And Car Washing is useful for people who uses their car daily and there is no facility to wash and clean their vehicle.

The users of the car rental project are divided into three groups:

Admin - Users responsible for managing car rental services.

Registered users - Users who have already registered on the website.

Guest users - Users that are visiting the website without any registration.

In addition to PHP, the project leverages AJAX, Bootstrap, and jQuery.

**BACKGROUND OF PROJECT:**

**Problems of existing system**

1) Bad Design of site.

2) Hard to navigate.

3) Waiting time to get any book in college library.

4) Book not being Available

5) Book not being there.

**Project/ System Analysis**

**Hardware tools required:**

PROCESSOR: INTEL CORE PROCESSOR OR BETTER PERFORMANCE

OPERATING SYSTEM: ALL WINDOWS, MAC, UBUNTU, etc

MEMORY : 1GB RAM OR MORE HARD DISK SPACE MINIMUM 3 GB FOR DATABASE USAGE FOR FUTURE.

**Software tools used:**

The whole Project is divided in two parts the front end and the back end.

FRONT END: The front end is designed using of HTML, PHP, CSS, Java script

**1. HTML-** HTML or Hyper Text Mark-up Language is the main mark-up language for creating web pages and other information that can be displayed in a web browser.HTML is written in the form of HTML elements consisting of tags enclosed in angle brackets (like <html>), within the web page content. The purpose of a web browser is to read HTML documents and compose them into visible or audible web pages. It provides a means to create structured documents by denoting structural semantics for text such as headings, paragraphs, lists, links, quotes and other items. It can embed scripts written in languages such as JavaScript which affect the behaviour of HTML web pages.

**2. CSS- Cascading Style Sheets (CSS)** is a style sheet language used for describing the look and formatting of a document written in a mark-up language. While most often used to style web pages and interfaces written in HTML and XHTML, the language can be applied to any kind of XML document, including plain XML, SVG and XUL. CSS is a cornerstone specification of the web and almost all web pages use CSS style sheets to describe their presentation.CSS is designed primarily to enable the separation of document content from document presentation, including elements such as the layout, colours, and fonts.

This separation can improve content accessibility, provide more flexibility and control in the specification of presentation characteristics, enable multiple pages to share formatting, and reduce complexity and repetition in the structural content (such as by allowing for table less web design).CSS can also allow the same mark-up page to be presented in different styles for different rendering methods, such as on-screen, in print, by voice (when read out by a speech-based browser or screen reader) and on Braille-based, tactile devices. It can also be used to allow the web page to display differently depending on the screen size or device on which it is being viewed.

**3. JAVA SCRIPT-** JavaScript (JS) is a dynamic computer programming language. It is most commonly used as part of web browsers, whose implementations allow client- side scripts to interact with the user, control the browser, communicate asynchronously, and alter the document content that is displayed. It is also being used in server-side programming, game development and the creation of desktop and mobile applications. JavaScript is a prototype-based scripting language with dynamic typing and has first- class functions. Its syntax was influenced by C. JavaScript copies many names and naming conventions from Java, but the two languages are otherwise unrelated and have very different semantics.The key design principles within JavaScript are taken from the self and Scheme programming languages. It is a multi- paradigm language, supporting object-oriented, imperative, and functional

programming styles.

**4. BootStrap-**

Bootstrap is the most popular HTML, CSS and JavaScript framework for developing a responsive and mobile friendly website. It is absolutely free to download and use.It is a front-end framework used for easier and faster web development.It includes HTML and CSS based design templates for typography, forms, buttons, tables, navigation, modals, image carousels and many others.

It can also use JavaScript plug-ins.It facilitates you to create responsive designs.

**BACK END**- The back end is designed using MySQL which is used to design the databases

1. MYSQL- MySQL ("My S-Q-L", officially, but also called "My Sequel") is (as of July 2013) the world's second most widely used open-source relational database management system (RDBMS). It is named after co-founder Michael Widenius daughter, My. The SQL phrase stands for Structured Query Language. The MySQL development project has made its source code available under the terms of the GNU General Public License, as well as under a variety of proprietary agreements. MySQL was owned and sponsored by a single for- profit firm, the Swedish company MySQL AB, now owned by Oracle Corporation .MySQL is a popular choice of database for use in web applications, and is a central component of the widely used LAMP open source web application software stack (and other 'AMP' stacks). LAMP is an acronym for "Linux, Apache, MySQL, Perl/PHP/Python." Free-software-open source projects that require a full-featured database management system often use MySQL. For commercial use, several paid editions are available, and offer additional functionality.

Applications which use MySQL databases include: TYPO3, MODx, Joomla,

WordPress, phpBB, MyBB, Drupal and other software. MySQL is also used in many high-profile, large-scale websites, including Wikipedia, Google (though not for searches), Facebook, Twitter, Flickr, and YouTube.

**2) PHP-** PHP is a server-side scripting language designed for web development but also used as a general-purpose programming language. PHP is now installed on more than 244 million websites and 2.1 million web servers.

Originally created by Rasmus Lerdorf in 1995, the reference implementation of PHP is now produced by The PHP Group. While PHP originally stood for Personal Home Page, it now stands for PHP: Hypertext Pre-processor, a recursive backronym. PHP code is interpreted by a web server with a PHP processor module, which generates the resulting web page: PHP commands can be embedded directly into an HTML source document rather than calling an external file to process data. It has also evolved to include a command-line interface capability and can be used in standalone graphical applications. PHP is free software released under the PHP License. PHP can be deployed on most web servers and also as a standalone shell on almost every operating system and platform, free of charge.