

# Hotel Management System

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**Abstract:** *Our main aim is to make job of an hotel to be user friendly and in an efficient way. In our project The user can order there food on the table itself no need to wait for some to take orders this system automatically prints a copy of the order on the kitchen with the table number on it . Our project also includes online order in the same page it also can be hosted as a website. This will increase efficiency than the traditional bearer system.*

**Keywords:** HTML, CSS, JavaScript.

## I. INTRODUCTION

### 1.1 HTML

HTML is stands for **Hyper Text Markup Language** which can be used to create web pages and web applications. **Hyper Text-Hypertext** refers to "Text within Text." A text has a link within it, which is called a hypertext. Whenever we click on a link, it will bring us to a new web page, we have clicked on a hypertext. Hypertext is a method to link two or more web pages together. **Markup language**-A markup language is used to apply layout and format conventions to a text document. It can change text into images, tables, links, etc. It makes text more interactive and dynamic.

### 1.2 CSS

CSS is a simple design language used to control the style of a web document. It is done in a simple and easy way. CSS stands for "**Cascading Style Sheet**". It is used to make web pages presentable. CSS handles the presentation part of a web page. With CSS, the color, the style of fonts, the spacing, usage of background images or colors, layout designs can be controlled. It is simple to maintain and loads page faster.

### 1.3 PHP

The first version of PHP was launched 26 years ago. Now it's on version 8, released in November 2020, but version 7 remains the most widely used. PHP is mostly used for making web servers. It runs on the browser and is also capable of running in the command line. So, if you don't feel like showing your code output in the browser, you can show it in the terminal. PHP runs on the Z end engine, which is the most popular implementation.

## II. RELATED WORKS

Over the past 20 years, there was a great revolution in the hotel management system . Alberto Banacia & et.al. (2014) Design and implementation of An Android application using WiFi-enabled devices for the food servicing industry use of android application through wifi enabled devices in hotels. Jingjing Wang (2009) The Design and Achievement of Wireless Ordering Foods System they created an wireless food ordering system for the hotel. Bhaskar Kumar Mishra & et.al.(2015) Touch based digital ordering system on Android using GSM and Bluetooth for restaurants this system is used in hotels on a short range service . J. Caroline & et.al.(2018) Smart Menu Card System make the user to see the menu card in a digital way using tablets.

## III. EXISTING SYSTEM

The traditional waiter system is still been used in many places . Customers have to wait until the waiter will come to attend there table it would cause time delay and makes customer angry and also gives a bad impression on that hotel . it may lead to reduce in the hotel reputation . In some cases there are less number of waiters than the tables in the hotel it may cause customer unsatisfied. This system can improve the efficiency of the hotel in a much better way

**IV. Proposed System**

Our aim is to satisfy customer and increase the reputation of the hotel . By using our project time delay and efficient will be increased & Customer will be satisfied. The hotel can reduce the man power and save time as well as money and by using this money the hotel can implement many new and interesting things to attract customers

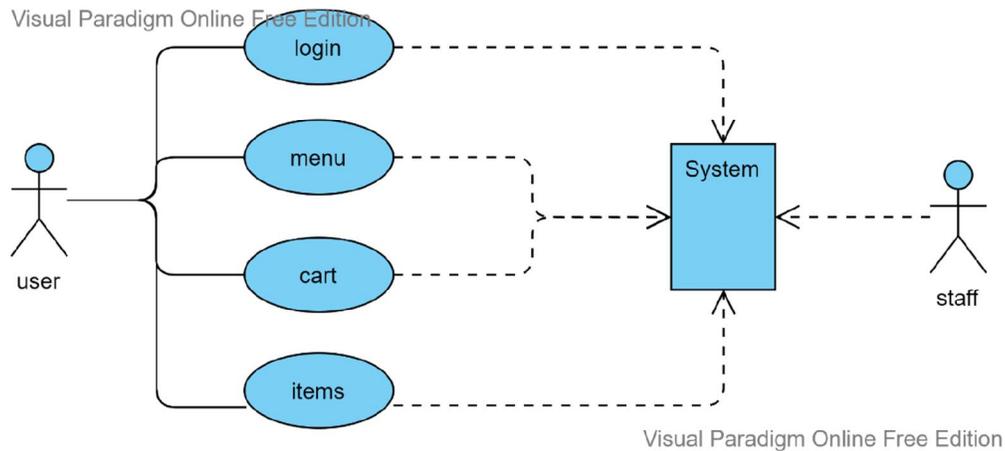
**V. LIST OF MODULES**

**MODULES**

1. User Interface Module
2. Cart Module
3. Payment Module
4. Authentication Module

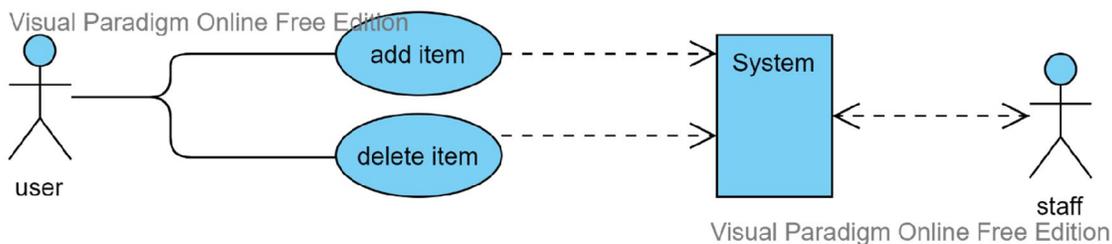
**3.1 User Interface Module**

This module is used to interact with the user and get the necessary information about the user needs in an efficient way. This will have a user friendly interface .



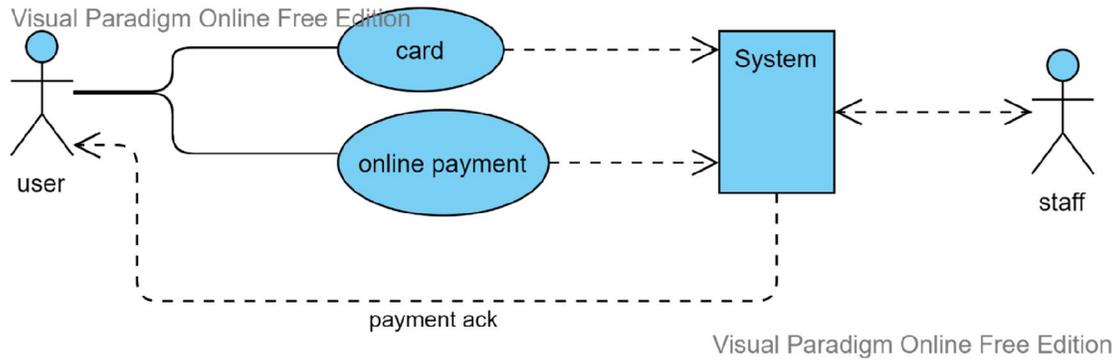
**3.2 CART MODULE**

This module will let the user pick items and decide at the end whether they want them or not. The user can also delete or add items to the cart.



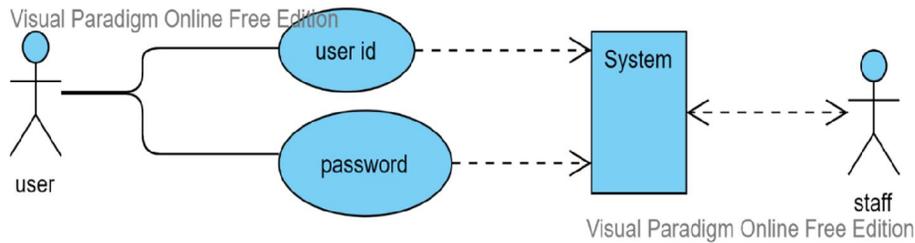
**3.3 PAYMENT MODULE**

This module is used to make a payment gateway in an efficient way and easy for the user. If not, there is a traditional way of paying by cash bill will be there for you. Finally, it also displays the total amount to be paid by the customer, which helps the cashier to reduce any manual work and it is also easy for the customer to do the payment.



3.4 AUTHENTICATION MODULE

This module will check the user or staff accessing there rightful pages only by login and to keep the data safe.the hotel can keep there data safe and user can access what they have permission to.



VI. CONCLUSION

Thus, the proposed system fulfills its main objective to provide a simple web Hotel management system easy and an efficient management system for the hotel .and also this is more efficient tha than the traditional waiter system.

VII. FUTURE WORK

In future we can also make use of robots as servents in the hotel and also we can improve the hotel by also adding rooms and reservation in this system .so this system is efficient than the traditional waiter system.

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