



e-ISSN: 2319-8753 | p-ISSN: 2320-6710

IJIRSET

International Journal of Innovative Research in
SCIENCE | ENGINEERING | TECHNOLOGY

INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH

IN SCIENCE | ENGINEERING | TECHNOLOGY

Volume 10, Issue 3, March 2021

ISSN INTERNATIONAL
STANDARD
SERIAL
NUMBER
INDIA

Impact Factor: 7.512

9940 572 462

6381 907 438

ijirset@gmail.com

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Shopping Mall Management System in PHP

^[1]Kousalya.G, ^[2]Mrs.Usharani M.Com.M.Phil.,B.Ed., ^[3]Ms.M.Radha M.Com.,M.Phil.,MBA.,(Ph.D)

^[1]Student, Dept. of Commerce, Sakthi College of Arts and Science for Women, TamilNadu, India

^{[2][3]}Assistant professor, Dept. of Commerce, Sakthi College of Arts and Science for Women, TamilNadu, India

ABSTRACT:-Extensively accepted problem from major shopping mall owners is to win the customers for their venture. Customers have become more informed with internet and mobile technologies. They prefer to achieve convenient and many times online shopping experience. With an online management site, it becomes easy for mall administrators to manage the mall from remote locations. And also, for shop owners to manage their shop's inventory and check their employee details. Today shopping centers are becoming more complex in terms of its size, type and characteristics and this depicts the challenging role the management team faces. It is important for the owner/developer to establish excellent management teams in order to face the challenges.

If shops are providing an online portal where their customers can enjoy easy shopping from anywhere, the shops won't be losing any more customers to the trending online shops such as flip cart or ebay. Since the application is available in the Smartphone it is easily accessible and always available.

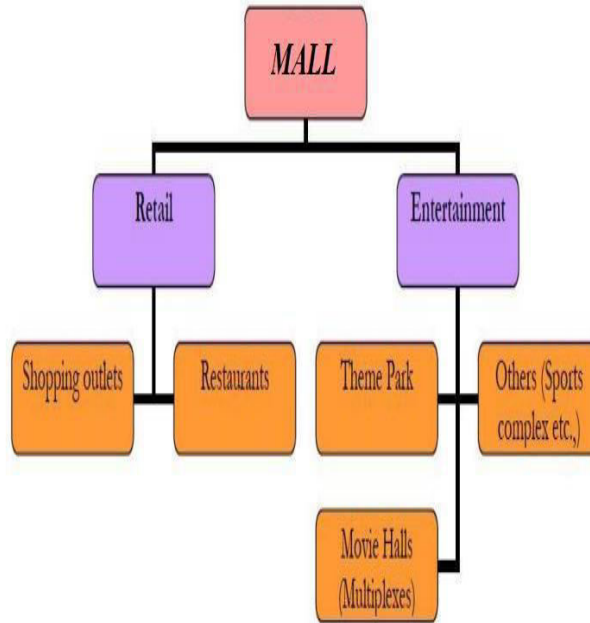
I. INTRODUCTION

This project is a web based shopping system for an existing shop. The project objective is to deliver the online shopping application. Online shopping is the process whereby consumers directly buy goods or services from a seller in real-time, without an intermediary service, over the Internet. It is a form of electronic commerce. This project is an attempt to provide the advantages of online shopping to customers of a real shop. It helps buying the products in the shop anywhere through internet by using an android device. Thus the customer will get the service of online shopping and home delivery from his favorite shop.

Mall management has been identified as an important factor for the success of malls and the retail industry across the world. Till recently, mall management was restricted to facility management by a majority of developers in India, leading to differences in mall management culture. Given the high future supply of malls and increasing competitiveness within the Indian retail market, developers must correctly address these gaps to ensure success. In order to understand mall management, it is mandatory to have an overview of what malls are.

II. OVERVIEW OF THE PROJECT

- ❖ Introduce mall management in retail industry
- ❖ Explain retail scenario in India
- ❖ Enlist the main types of malls
- ❖ Elucidate growth of retail in India
- ❖ Explain mall space supply demand
- ❖ Describe different types of mall management



System Architecture

III. MODULES DESCRIPTION

3.1.1 MALL ADMINISTRATOR

The Mall Administrator is the super user and has complete control over all the activities that can be performed. The application notifies the administrator of all shop creation requests, and the administrator can then approve or reject them. The administrator also manages the list of available product categories. The administrator can also view and delete entries in the guestbook.

3.1.2 SHOP OWNER

Any user can submit a shop creation request through the application. When the request is approved by the Mall Administrator, the requester is notified, and from there on is given the role of Shop Owner. The Shop Owner is responsible for setting up the shop and maintaining it. The job involves managing the sub-categories of the items in the shop. Also, the shop owner can add or remove items from his shop. The Shop Owner can view different reports that give details of the sales and orders specific to his shop. The Shop Owner can also decide to close shop and remove it from the mall.

3.1.3 MALL CUSTOMER/GUESTS

A Mall Customer can browse through the shops and choose products to place in a virtual shopping cart. The shopping cart details can be viewed and items can be removed from the cart. To proceed with the purchase, the customer is prompted to login. Also, the customer can modify personal profile information (such as phone number and shipping address) stored by the application. The customer can also view the status of any previous orders, and cancel any order that has not been shipped yet.

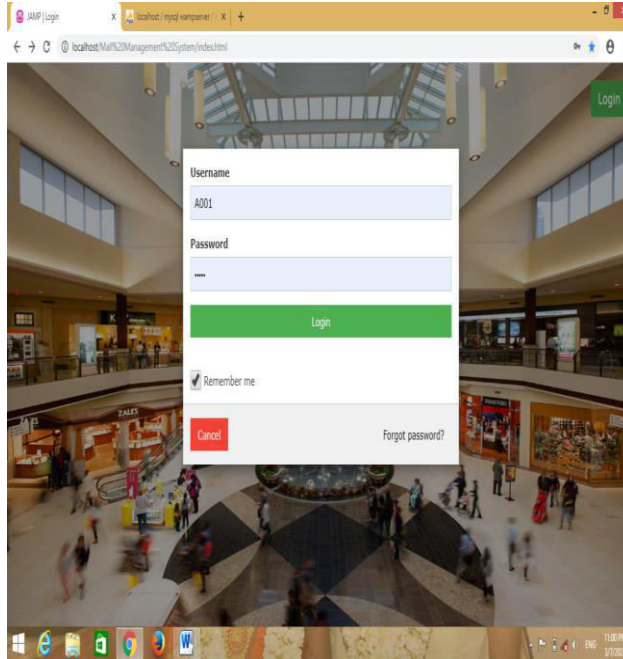
3.1.4 EMPLOYEES

- ❖ Purchase department under a Purchase manager to overlook purchasing activities if warehousing needs arise.
- ❖ Sales department under a Sales manager who will look after the sale of products and services, the most important activity.
- ❖ Accounts department under an Accounts manager to look after the accounting activities of the enterprise.

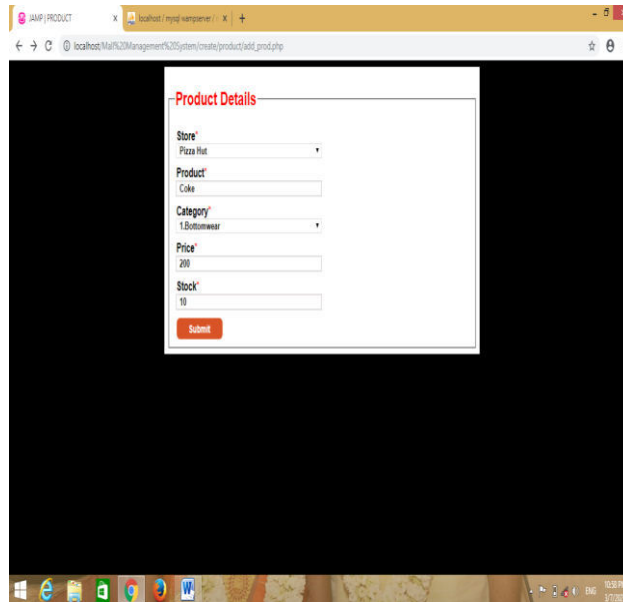


IV. SCREEN SHOTS

4.1.1 HOME PAGE

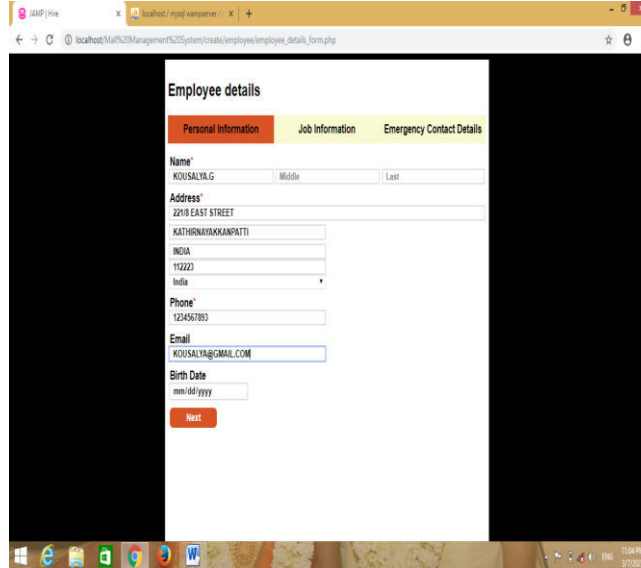


4.1.2 ADD PRODUCT

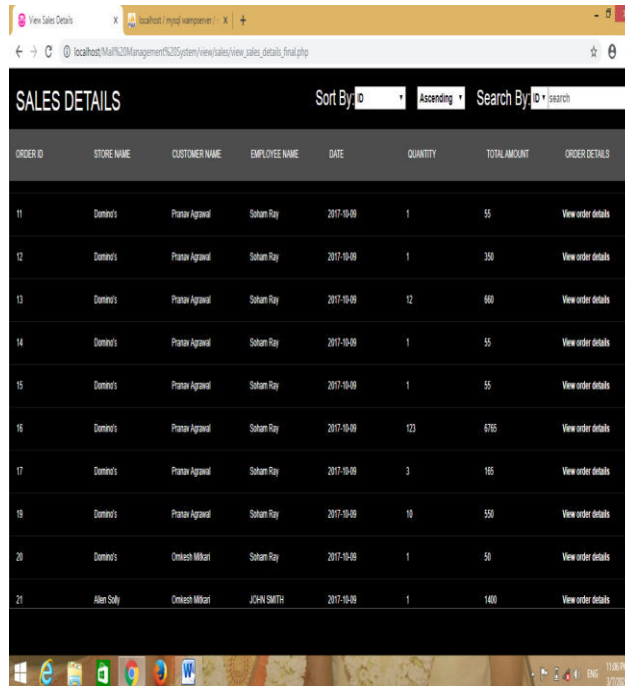




4.1.3 ADD EMPLOYEE DETAILS



4.1.4 VIEWSALE DETAILS





4.1.5 EMPLOYEE

| EMPLOYEE ID | NAME | ADDRESS | CONTACT | JOB INFORMATION | EMERGENCY CONTACT DETAILS |
|-------------|------------------------|--------------|----------------------|----------------------|--------------------------------|
| A001 | Mishal Adhikumar Mitta | View Address | View contact details | View job information | View emergency contact details |
| C000 | Priyans Agrawal | View Address | View contact details | View job information | View emergency contact details |
| C001 | JOHN HOLLAND SMITH | View Address | View contact details | View job information | View emergency contact details |
| C002 | Will John Smith | View Address | View contact details | View job information | View emergency contact details |
| C003 | Rambh Rish Kapoor | View Address | View contact details | View job information | View emergency contact details |
| C004 | Katrina Kalf | View Address | View contact details | View job information | View emergency contact details |
| C005 | Adhya Krishna Dast | View Address | View contact details | View job information | View emergency contact details |
| C006 | Ashish Ashish Singh | View Address | View contact details | View job information | View emergency contact details |
| C007 | Omkesh Mishra | View Address | View contact details | View job information | View emergency contact details |
| C008 | Anusay Kulkarni | View Address | View contact details | View job information | View emergency contact details |

4.1.6 UPDATE

| EMPLOYEE ID | NAME | ADDRESS | CONTACT | JOB INFORMATION | EMERGENCY CONTACT DETAILS |
|-------------|------------------------|--------------|----------------------|----------------------|--------------------------------|
| A001 | Mishal Adhikumar Mitta | View Address | View contact details | View job information | View emergency contact details |
| C000 | Priyans Agrawal | View Address | View contact details | View job information | View emergency contact details |
| C001 | JOHN HOLLAND SMITH | View Address | View contact details | View job information | View emergency contact details |
| C002 | Will John Smith | View Address | View contact details | View job information | View emergency contact details |
| C003 | Rambh Rish Kapoor | View Address | View contact details | View job information | View emergency contact details |
| C004 | Katrina Kalf | View Address | View contact details | View job information | View emergency contact details |
| C005 | Adhya Krishna Dast | View Address | View contact details | View job information | View emergency contact details |
| C006 | Ashish Ashish Singh | View Address | View contact details | View job information | View emergency contact details |
| C007 | Omkesh Mishra | View Address | View contact details | View job information | View emergency contact details |

V. CONCLUSIONS

Shopping centers are unique as a real estate format because they typically evolve more rapidly than other properties. They serve many different people, in addition to consumers, retailers and owners. Traditionally, major retail shopping centers have been managed by different in-house management teams, in a traditional fashion. Many are managed on behalf of investors through a combination of centre management teams and managing agents. They generally provide the primary focal point for managing the building asset and retaining relationships within the community and with retailers, with substantive support from consultants and contractors on a centre-by-centre basis. As a result of all this, a confusing range of relationships exist, ranging from retailers' service contracts to centre IT infrastructure, promotions, mechanical, electrical and fabric maintenance, cleaning, lifts and security, and a host of other arrangements. With the suggested solution, the mall can be managed by mall administrators in a more centralized



fashion rather than distributed functioning of different departments. It also allows the store owners at the mall to manage their stores using the system. It allows them to manage the shop's inventory, its employees and other critical functions. The proposed system is an online system and hence mall administrators and shop owners can work from remote locations. The system is available at any time of the day and does not require the administrators and shop owners to be present at the mall. It provides an integrated solution to managing the mall than the use of a number of individual solutions.

VI. FUTURE ENHANCEMENTS

The project enabled us to understand all the design patterns thoroughly. The Iterate, Singleton, Observer are essential design patterns in order to capture the software design of such shopping malls. Various techniques like use case analysis, state machine, CRC, sequence diagram are helpful in prototyping software design. The project can be improved by incorporating the MVC design technique. More of design patterns such as factory patterns can be included in the project.

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**Impact Factor:
7.512**

ISSN INTERNATIONAL
STANDARD
SERIAL
NUMBER
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