**A PROJECT REPORT**



**ON**

**“ ZOO MANAGEMENT SYSTEM ”**

**SUBMITTED TO SAVITRIBAI PHULE PUNE UNIVERSITY**

**IN**

**PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE AWARD OF THE DEGREE OF**

**BACHLOR OF BUSINESS ADMINISTRATION**

**(COMPUTER APPLICATIONS) ( BBA(CA) )**

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# CERTIFICATE

This is to certify that,

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“**Zoo Management System**”, as a part of curriculum, during the

Academic Year 2023 -2024.

**Internal Examiner External Examiner**

**Head of Department Principal**

**Dr. Sudake Y. S. Dr. Kunde P.**

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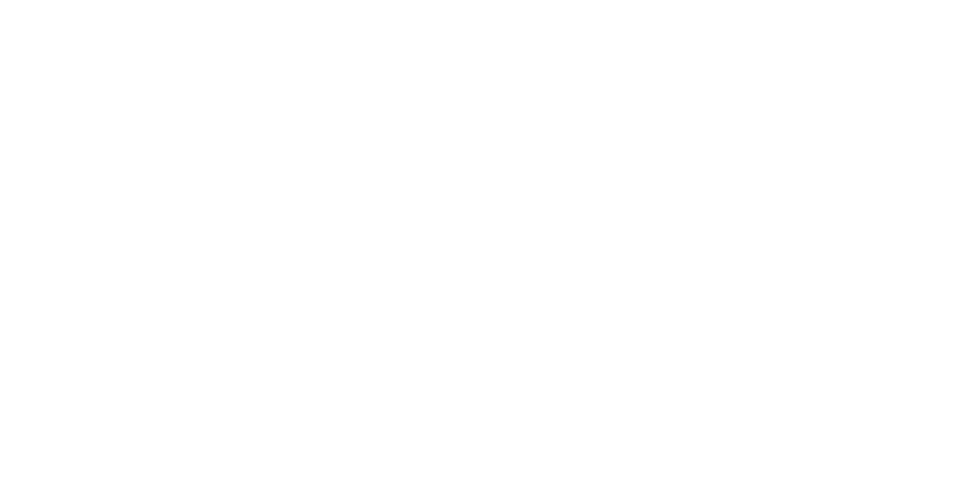
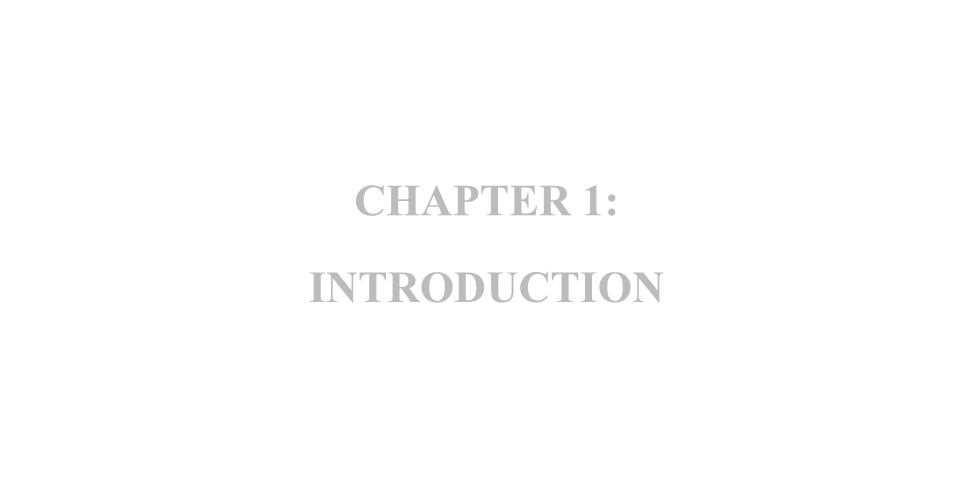
**Thanking you,**

Name of Student

# Index

|  |  |  |  |
| --- | --- | --- | --- |
| **Chapter No.** |  | **Details** | **Page No.** |
| **1** |  | **Introduction** | 1 |
|  | 1.1 | Company profile | 2 |
|  | 1.2 | Existing system and need for system | 3 |
|  | 1.3 | Scope of work | 4 |
|  | 1.4 | Operating environment hardware and software | 5 |
|  | 1.5 | Detail description of technology used | 6 |
| **2** |  | **Proposed System** | 9 |
|  | 2.1 | Proposed system | 9 |
|  | 2.2 | Objectives of system | 11 |
|  | 2.3 | User requirements | 10 |
| **3** |  | **Chapter 03: Analysis and design** | 12 |
|  | 3.1 | Data-Flow Diagram | 13 |
|  | 3.2 | Use Case Diagram | 14 |
|  | 3.3 | Entity Relation Diagram | 15 |
|  | 3.4 | User Manual | 16 |
|  | 3.5 | Table Design | 17 |
|  | 3.6 | Test procedure& Implementation | 20 |
|  | 3.7 | User Interface(Screen shots) | 23 |
| **4** |  | **Sample Program Code** | 31 |
| **5** |  | **Menu Explanation** | 35 |

|  |  |  |  |
| --- | --- | --- | --- |
| **6** |  | **Drawbacks and limitations** | 37 |
| **7** |  | **Proposed enhancement** | 39 |
| **8** |  | **Conclusion** | 40 |
| **9** |  | **Bibliography** | 41 |



**CHAPTER 1:**

**INTRODUCTION**

**Introduction**:

The Zoo Management System is a web-based application that allows visitors check Packages, buy Product. This system is established for all Startup business.

Zoo Management System provides transportation system, a facility cancellation of order and different types of enquiry which need an instant and quick order. This system can be used by the users in performing online food shopping via internet for their all business purposes. Users can use this program directly on their websites and no need to install it.

**1.1 Existing system and need for system:**

**1.2.1 About existing system:-**

* With this system one of both feels some headache.
* This process is more time consuming.
* In case of customer service, customer demands for various types of services, for each service they need to pay separately. Here customer is in loss.
* Delivery boys user could do fraud with customer.

**1.2.2 Need for system:-**

* Software should be user friendly.
* No one can interfere with software, except manager, admin.

|  |  |
| --- | --- |
|  |  |
| **1.2** | **Scope of work:**   * This software is free from any kinds of fraud. * This software is easy to manage. * This system gives discount to customer. * By using this facility data can be updated easily. * With the help of this system customer can be searched easily. * This system by the user is given excellent feedback to for this software. |

**1.3 Operating environment- hardware and software:**

**Table 1.4.1: Hardware requirements**:

|  |  |
| --- | --- |
| Processor | Intel(R) Core(TM) |
| SSD | 512 GB |
| RAM | 8 GB |
| Monitor | Laptop |
| Other Hardware | Keyboard, Mouse etc. |

**Software requirements:**

|  |  |
| --- | --- |
| Operating  System | Windows 11, XP |
| Language | HTML,CSS,JavaScript  ,BOOTSTRAP,PHP |
| Database | SQL Server(2005) ,Xampp Server. |
| Tools | Sublime, Notepad++. |
| Browser | Google Chrome. |

**Technologies to be used:**

* + 1. Sublime Text (HTML).
    2. Xammp(PHP).

**1.4 Detail description of technology used:**

**HTML:**

1. The technology used for developing stand-alone application “Zoo Management System”, we used Sublime Text Editor and the language used is HTML,CSS.
2. Since the project is designed with HTML as Front end.
3. HTML is a simple, platform independent and designing language.
4. E-commerce, Gaming, Mobile, Embedded, Media and many more types of applications are being developed using HTML.
5. HTML supports developing software that is compatible with smart devices like pocket PCs and smart phones.
6. There is continuous demand for good HTML professionals in software industry in large numbers.

**PHP** (Hyppertext Pre-Processar)**:-**

PHP is an object-oriented, class-based programming language. The language is

designed to have as few dependencies implementations as possible. The intention of using this language is to give relief to the developers from writing codes for every platform. The term WORA, write once and run everywhere is often associated with this language.

It means whenever we compile a PHP code, we get the byte code (.class file), and that can be executed (without compiling it again) on different platforms provided they support PHP. In the year 1995, PHP language was developed.

It is mainly used to develop web, desktop, and mobile devices. The PHP language is known for its robustness, security, and simplicity features. That is designed to have as few implementation dependencies as possible.

The ISO standard body was approached by Sun Microsystems in the year 1997 to

formalize PHP, but the process was withdrawn soon. At one point in time, Sun Microsystems provided most of its implementation of PHP available without any cost, despite having the status of proprietary software

**CHAPTER 2:**

**PROPOSED SYSTEM**

**2.1 Proposed system:**

1. Convenience: Zoo offers the convenience of browsing and buying products or services from the comfort of one's home or any location with internet access. It eliminates the need to travel to physical hotel, saving time and effort.

1. Variety and Selection : Zoo platforms often provide access to a vast array of products and services from different vendors and brands, allowing customers to explore a wide range of options and make informed choices.

1. Price Comparison: Zoo can easily compare prices and features of products from different sellers, helping them find the best deals and discounts. This promotes price transparency and helps consumers make cost-effective decisions.

1. Accessibility: Zoo is accessible 24/7, allowing customers to shop at their convenience, whether it's early morning, late at night, or during holidays. This flexibility is particularly beneficial for people with busy schedules.

1. Reviews and Ratings: Most animal ticket booking platforms include user reviews and ratings for products, which can assist customers in making informed purchasing decisions based on the experiences of others.

1. Secure Transactions Zoo systems typically use secure payment gateways and encryption technologies to protect customers' financial information and ensure safe transactions.

1. Order Tracking: Customers can easily track the status of their orders, including shipment and delivery details, which provides transparency and reduces anxiety about the delivery process.

1. Cost Savings: Online retailers often have lower overhead costs than brick-and-mortar stores, which can lead to lower prices for customers. Additionally, Zoo can save consumers money on travel expenses and impulsive purchases.

1. Personalization: Many Zoo platforms use customer data and browsing history to offer personalized product recommendations, enhancing the shopping experience.

1. Easy Returns and Refunds: Most online retailers have clear return and refund policies, making it relatively simple for customers to return or exchange products if they are not satisfied.

**2.2 Objectives of system:**

1. Convenience: zoo Management systems aim to provide a convenient way for consumers to shop from the comfort of their homes or wherever they have internet access. This eliminates the need to physically visit brick-and-mortar stores.
2. Accessibility: These systems make products and services accessible to a global audience, breaking down geographical barriers. Customers can shop from anywhere in the world and access a wide range of products.
3. Product Variety: Zoo platforms typically offer a vast selection of products and services, often more extensive than what can be found in a physical store. This variety caters to a wide range of customer preferences.
4. Price Comparison: Customers can easily compare prices and features of products across different sellers or brands, helping them make informed purchasing decisions.
5. 24/7 Availability: Zoo Management systems are open 24/7, allowing customers to shop at any time that is convenient for them, regardless of traditional store hours.

Reviews and Ratings: Shoppers can read product reviews and ratings from other customers, which can influence their purchasing decisions and provide a sense of trust in the products.

1. Personalization: Many zoo use data analytics and algorithms to personalize product recommendations and Zoo experiences based on a customer's browsing and purchase history.
2. Order Tracking: Customers can track the status of their orders in real-time, which enhances transparency and provides peace of mind.
3. Cost Savings: Zoo can sometimes offer cost savings due to lower overhead costs for sellers, as well as the ability for customers to find discounts, deals, and coupons.
4. Customer Support: Many online retailers offer customer support services to address inquiries, issues, and provide assistance during the process.

**2.3 User requirements:**

**2.3.1.1 Functional :**

Following points are taking into consideration while we are discussing about user requirements section.

1) This system should secure registration or login for users.

2) This system should be Admin Panel.

* + 1. This system should be access all information of customer.
    2. This system should be manage the all information of Packages.
    3. This system should be show the information and description of
    4. This system should be Manage all information of Order.
    5. This system should be provide Customer Log In and Registration.
    6. This system should be able to show route direction map for each user perception.
    7. This system should be able to keep records with Customer Details.

**2.3.1.2 Non-Functional:**

Following points are taking into consideration while we are discussing about user requirements section.

* + - 1. **User Friendly**

Most of the systems are not so comfortable with computer.

Hence the user screen must be as simple as possible.

* + - 1. **Performance**

Retrieving and storing of the data must be fast.

* + - 1. **Security**

Only customer must be able to login.

**CHAPTER 3:**

**ANALYSIS AND DESIGN**

**DFD (Context level Diagram):**

**a. Users**

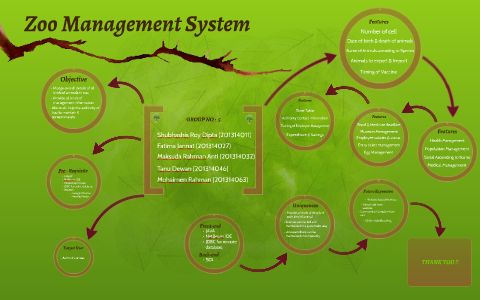


Fig.3.1. Flow chat – Zoo Management System

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# b. Admin

**(Admin panel Digram)**

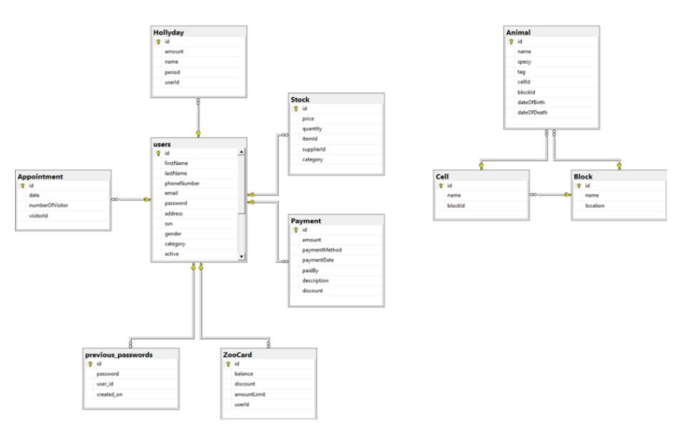


Fig.3.2. Admin Panel – Zoo Management System

# UML Diagram

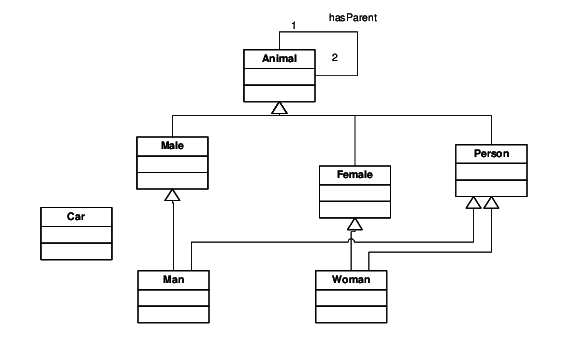


Fig.3.3. UML – Zoo Management System

# ER Diagram (Admin)

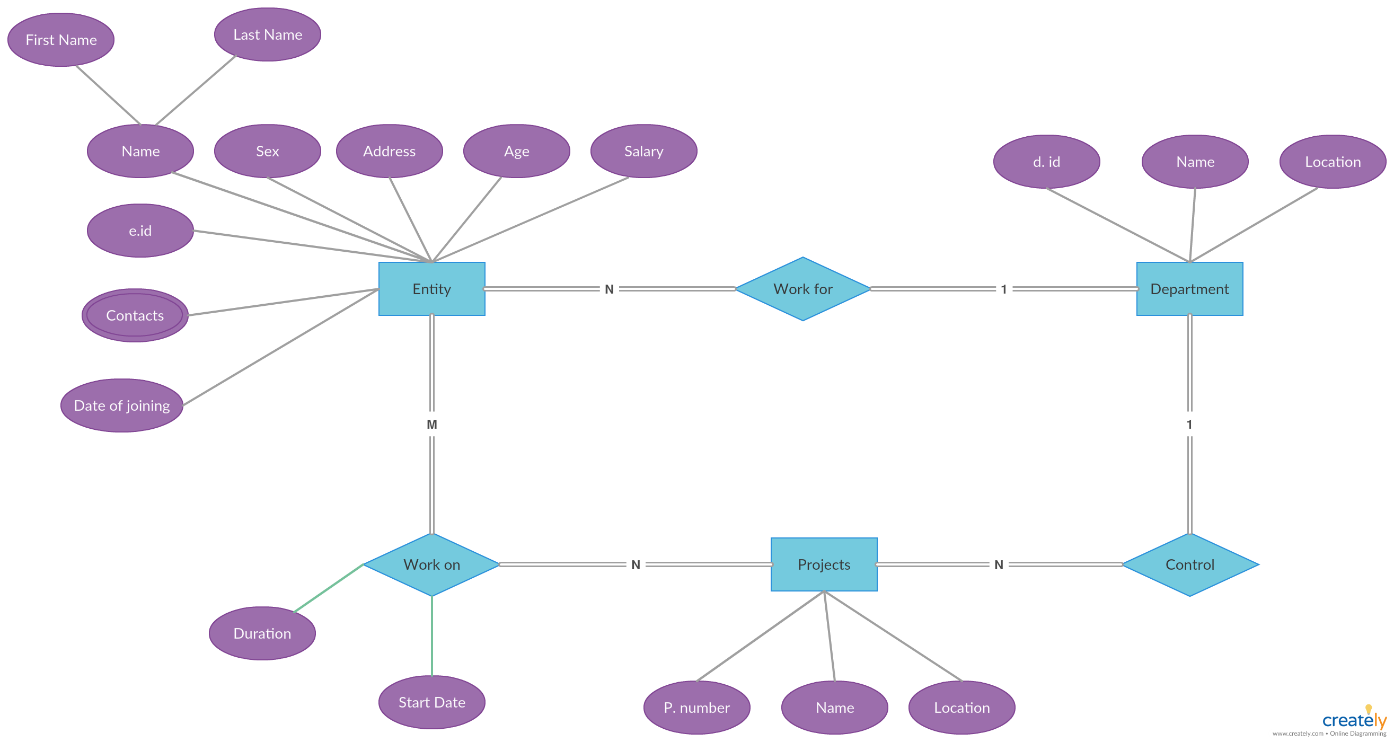
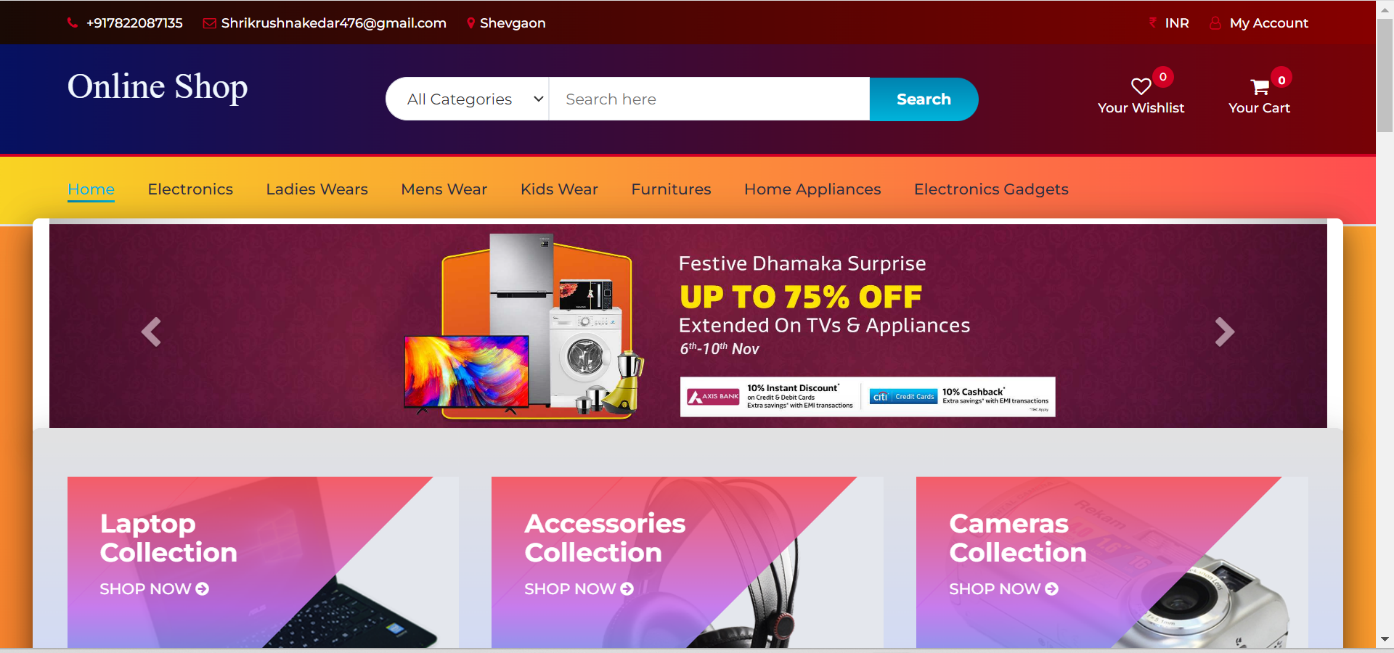
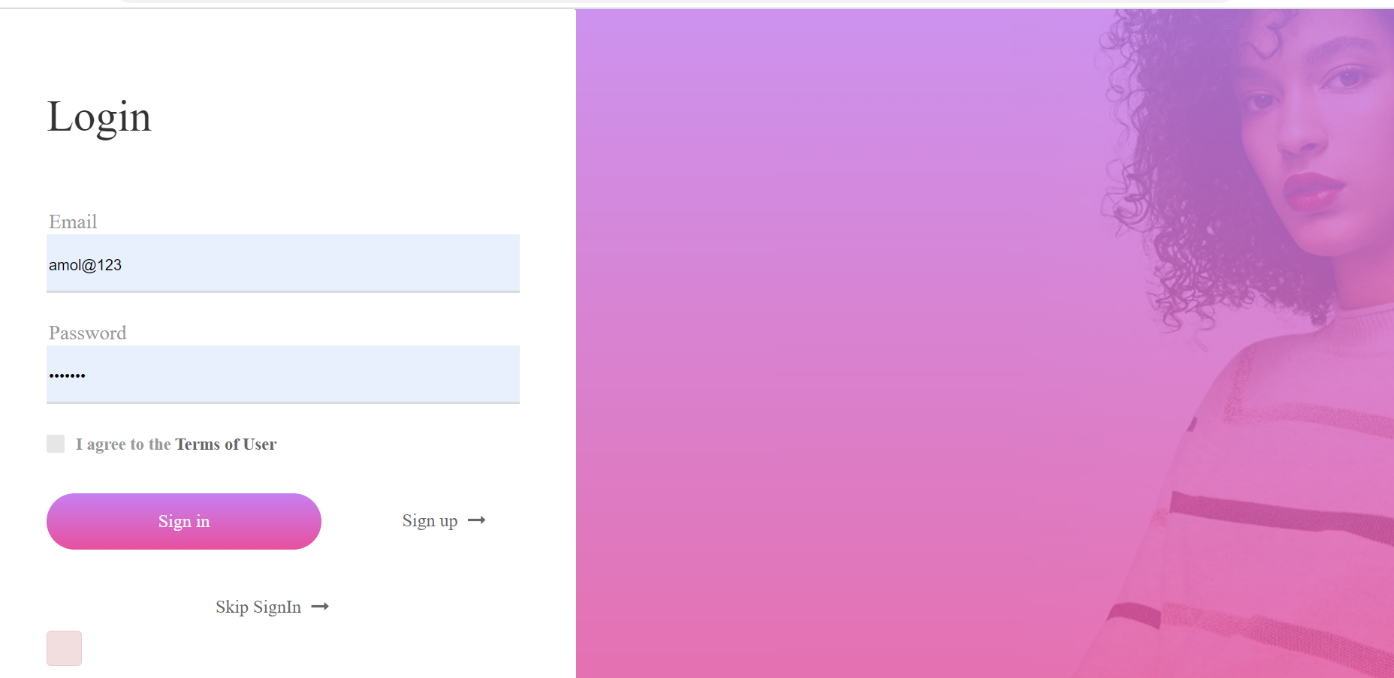


Fig:3.4:-ERD for Admin

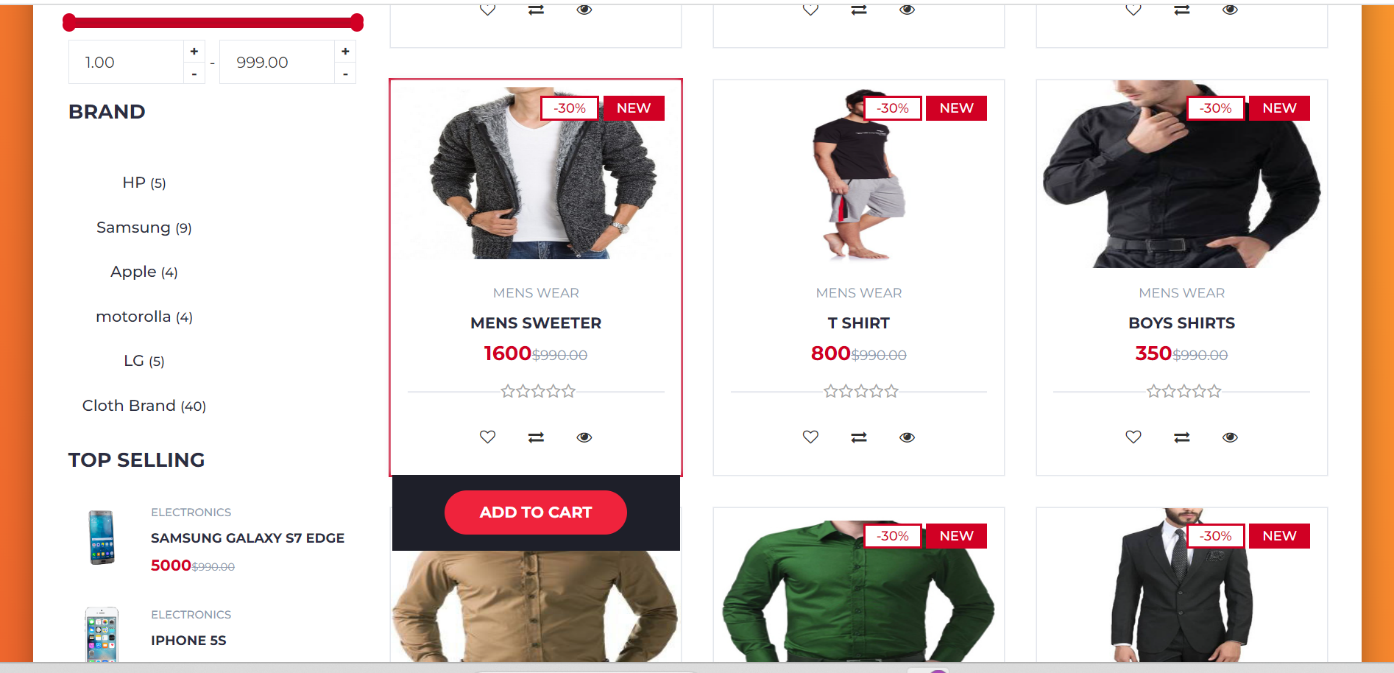


**User interface design (screens etc)\_\_**

**(Main Menu)**



**(User Log In)**



**(Home Page.)**

**CHAPTER 4:**

**User Manual**

**User Manual**

**Menu Explanation**

**Home:** The "Home" option takes users to the main landing page of the system.

**Order Package :**The "Order Package" option provides Packages List.

**Privacy Policy:** The "Privacy Policy" option provides Privicy of System.

**About Us**: The "About Us" option provides information about the system.

**Contact :**The "Contact" option provides contact about the system.

**CHAPTER 5:**

**Coding**

<?php

include "db.php";

session\_start();

#Login script is begin here

#If user given credential matches successfully with the data available in database then we will echo string login\_success

#login\_success string will go back to called Anonymous funtion $("#login").click()

if(isset($\_POST["email"]) && isset($\_POST["password"])){

$email = mysqli\_real\_escape\_string($con,$\_POST["email"]);

$password = $\_POST["password"];

$sql = "SELECT \* FROM user\_info WHERE email = '$email' AND password = '$password'";

$run\_query = mysqli\_query($con,$sql);

$count = mysqli\_num\_rows($run\_query);

$row = mysqli\_fetch\_array($run\_query);

//we have created a cookie in login\_form.php page so if that cookie is available means user is not login

//if user record is available in database then $count will be equal to 1

if($count == 1){

if (isset($\_COOKIE["product\_list"])) {

$p\_list = stripcslashes($\_COOKIE["product\_list"]);

//here we are decoding stored json product list cookie to normal array

$product\_list = json\_decode($p\_list,true);

for ($i=0; $i < count($product\_list); $i++) {

//After getting user id from database here we are checking user cart item if there is already product is listed or not

$verify\_cart = "SELECT id FROM cart WHERE user\_id = $\_SESSION[uid] AND p\_id = ".$product\_list[$i];

$result = mysqli\_query($con,$verify\_cart);

if(mysqli\_num\_rows($result) < 1){

//if user is adding first time product into cart we will update user\_id into database table with valid id

$update\_cart = "UPDATE cart SET user\_id = '$\_SESSION[uid]' WHERE ip\_add = '$ip\_add' AND user\_id = -1";

mysqli\_query($con,$update\_cart);

}else{

//if already that product is available into database table we will delete that record

$delete\_existing\_product = "DELETE FROM cart WHERE user\_id = -1 AND ip\_add = '$ip\_add' AND p\_id = ".$product\_list[$i];

mysqli\_query($con,$delete\_existing\_product);

}

}

//here we are destroying user cookie

setcookie("product\_list","",strtotime("-1 day"),"/");

//if user is logging from after cart page we will send cart\_login

echo "cart\_login";

exit();

}

//if user is login from page we will send login\_success

|  |  |  |
| --- | --- | --- |
|  |  |  |

**CHAPTER**

**6**

**:**

**Drawbacks and Limitations**

**Drawbacks and Limitations:**

* This system software is restrictive.
* This system software is expensive.
* This system software is not virus protected.

**CHAPTER 7**

**Proposed Enhancement**

**Proposed Enhancement:**

In order to enhance the existing Zoo Management system, I propose the integration of a mobile ticketing feature. This enhancement will allow customer to conveniently purchase product and board using their mobile devices, thereby reducing the need for physical tickets and manual check-ins.

* 1. Mobile App Development: Develop a mobile application that allows passengers to browse bus routes, select their desired journey, and purchase tickets using their smartphones. The app should be user-friendly and available for both Android and iOS platforms.

* 1. Product Purchase and Payment: Enable secure online payment options within the mobile app cash. This will streamline the ticket purchase process and provide passengers with multiple payment options.

**CHAPTER 8**

**Conclusions**

**Conclusions:**

In conclusion, the Online Zoo Management System project has successfully developed a web-based application that streamlines the bus registration process, offering convenience and efficiency to both Zoo operators and passengers. The system allows bus operators to manage their bus fleet, schedule routes, while Custemer can easily enjoy and access relevant information.

Throughout the project, several key features were implemented, including user registration and login, bus route management, registration form submission, payment integration, and administrative functionalities. These features have collectively enhanced the Zoo registration experience by eliminating manual paperwork, reducing administrative burdens, and improving accessibility for passengers.

**Bibliography:**

**Sites referred:-**

1. [www.google.com](http://www.google.com/)
2. [www.w3school.com](http://www.w3school.com/)
3. [www.amezon.com](http://www.amezon.com/)

**Books referred:-**

1. The Complete Reference of php
2. Learning PHP, MySQL & JavaScript: With jQuery, CSS & HTML5- Robin

Nixon.

1. Software Engineering – Rogar S. Pressmen.