**HELPING HUB FOR NEEDY PEOPLE**

# A PROJECT REPORT

***Submitted By***

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**( 511922622025)**

***In partial fulfillment for the award of the degree of***

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**DEPARTMENT OF COMPUTER APPLICATIONS**

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**ABSTRACT**

**HELPING HUB FOR NEEDY PEOPLE**

In today's world, millions of individuals face financial hardships and lack the necessary resources to address their needs adequately. To bridge this gap and foster a sense of community empowerment, we propose the development of a web application tailored to assist those in need. Our platform provides a seamless and transparent avenue for individuals to seek assistance for various purposes, including medical emergencies, educational expenses, and more. Through a user-friendly interface, individuals can create campaigns, sharing their stories, financial requirements, and goals with potential donors. Central to our platform's functionality is a robust verification process conducted by trusted administrators affiliated with recognized charity foundations. This ensures the legitimacy of each campaign, instilling confidence in donors and safeguarding against misuse of funds.

**திட்ட சுருக்கம்**

**தேவைப்படும் நபர்களுக்கான உதவி மையம்**

இன்றைய உலகில், மில்லியன் கணக்கான தனிநபர்கள் நிதி நெருக்கடிகளை எதிர்கொள்கின்றனர் மற்றும் அவர்களின் தேவைகளை போதுமான அளவில் நிவர்த்தி செய்ய தேவையான ஆதாரங்கள் இல்லை. இந்த இடைவெளியைக் குறைப்பதற்கும், சமூக அதிகாரமளிக்கும் உணர்வை வளர்ப்பதற்கும், தேவைப்படுபவர்களுக்கு உதவுவதற்காக வடிவமைக்கப்பட்ட வலைப் பயன்பாட்டை உருவாக்க நாங்கள் முன்மொழிகிறோம். மருத்துவ அவசரநிலைகள், கல்விச் செலவுகள் மற்றும் பலவற்றை உள்ளடக்கிய பல்வேறு நோக்கங்களுக்காக உதவி பெற தனிநபர்களுக்கு எங்கள் தளம் தடையற்ற மற்றும் வெளிப்படையான வழியை வழங்குகிறது. பயனர் நட்பு இடைமுகம் மூலம், தனிநபர்கள் பிரச்சாரங்களை உருவாக்கலாம், அவர்களின் கதைகள், நிதித் தேவைகள் மற்றும் இலக்குகளை சாத்தியமான நன்கொடையாளர்களுடன் பகிர்ந்து கொள்ளலாம். அங்கீகரிக்கப்பட்ட தொண்டு நிறுவனங்களுடன் இணைந்த நம்பகமான நிர்வாகிகளால் நடத்தப்படும் உறுதியான சரிபார்ப்புச் செயல்முறை எங்கள் தளத்தின் செயல்பாட்டின் மையமாகும். இது ஒவ்வொரு பிரச்சாரத்தின் சட்டபூர்வமான தன்மையை உறுதிசெய்கிறது, நன்கொடையாளர்கள் மீது நம்பிக்கையை ஏற்படுத்துகிறது மற்றும் நிதி தவறாக பயன்படுத்தப்படாமல் பாதுகாக்கிறது.

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# (MOHAMED SUFIAN H)

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# CHAPTER 1

# INTRODUCTION

## Objective of the Project

The objective of the "Helping Hub" project is to develop a web application that connects individuals in financial need with potential donors. The platform will enable users to create and manage fundraising campaigns for various purposes such as medical emergencies, educational expenses, and other financial requirements. To ensure transparency and trust, campaigns will be verified by administrators affiliated with recognized charity foundations. The application will feature a user-friendly interface to simplify campaign creation and donation processes. Secure payment gateways will be implemented to protect users' financial information. By fostering community engagement and promoting collective support, "Helping Hub" aims to alleviate financial hardships and encourage a culture of generosity and solidarity..

## About the Project

In today's world, millions of individuals face financial hardships and lack the necessary resources to address their needs adequately. To bridge this gap and foster a sense of community empowerment, we propose the development of a web application tailored to assist those in need. Our crowdfunding platform leverages the MERN stack (MongoDB, Express, React, Node.js) to provide a seamless and transparent avenue for individuals to seek financial assistance for various purposes, including medical emergencies, educational expenses, and more.

# CHAPTER 2

# COMPANY PROFILE

## 2.1 About the Company

Kodnest is an innovative edtech startup dedicated to providing top-notch training and mentorship to final year students, helping them excel in their academic projects and prepare for their future careers in the tech industry. Established with a vision to bridge the gap between academic learning and practical application, Kodnest offers a range of services designed to equip students with the skills and experience needed to thrive in the competitive world of technology..

KodNest Technologies Pvt Ltd,

BTM Layout,

Bengaluru,

Karnataka,

560076

# CHAPTER 3

# SYSTEM ANALYSIS

## Existing System

Maintain the handwritten document is a very toughest and difficult task. While document can be missed on any way and there is no security to handle the handwritten documents and the usage of matchbox in various activities has not maintained in the earlier system. As the work as matchbox is done manually so it becomes harder for the supervisor to maintain a daily record.

## Proposed System

This will provide the supervisor to do his job easily any time he/she wants to access the data from the report of any sales details. The project is details with the development of the computerized system for maintain the regular records. The main aim of this project is to reduce the manual work process. It is can be used easily to find the information of the inventory. This project can be used to find the employee of the matchbox industry that how much matches has been sold. Further with help of this project, it can be used to calculate all the matchbox stock are received and sold day by day.

## Methodology

Agile methodologies use an iterative approach to project management. This process model is a documentation model. This model generates concise and comprehensive documents and maintenance. In case of payment status any mistake on any stage referred back to source and the step will be repeated by updating according to the demand. The main advantages of agile model are consistent focus on improvement and quality control.

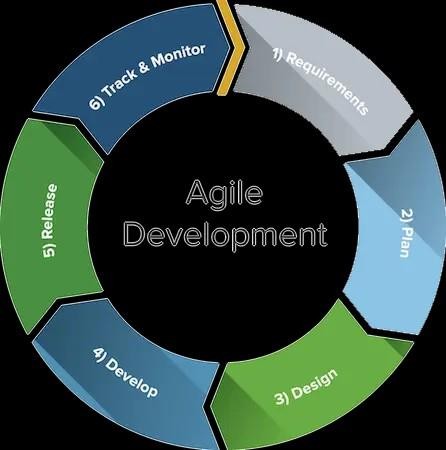


Figure. No 3.1 Agile Methodology

## Advantages

* + - In Agile methodology the delivery of software is unremitting.
    - The customers are satisfied because after every Sprint working feature of the software is delivered to them.
    - Customers can have a look of the working feature which fulfilled their expectations.
    - If the customers has any feedback or any change in the feature then it can be accommodated in the current release of the product.
    - In Agile methodology the daily interactions are required between the business people and the developers.
    - In this methodology attention is paid to the good design of the product.
    - Changes in the requirements are accepted even in the later stages of the development.

# CHAPTER 4 SYSTEM CONFIGURATION

* 1. **Hardware configuration**

Processor : intel Pentium family and above RAM : above 512 MB

Hard disk : 2GB AND above

# Software Configuration

Front end : Notepad(PHP) Back end : Sql server2012 Platform : WAMP

## SOFTWARE DESCRIPTION

* + 1. **Apache**

The Apache HTTP Server Project is an effort to develop and maintain an open-source HTTP server for modern operating systems including UNIX and Windows. The goal of this project is to provide a secure, efficient and extensible server that provides HTTP services in sync with the current HTTP standards.

The Apache HTTP Server ("httpd") was launched in 1995 and it has been the most popular web server on the Internet since April 1996. It has celebrated its 20th birthday as a project in February 2015.

## PHP

* PHP stands for PHP: Hypertext Preprocessor.
* PHP is a server-side scripting language, like ASP.
* PHP scripts are executed on the server
* PHP supports many databases (MYSQL, Informix, Oracle, Sybase, Solid, Generic ODBC, etc.).
* PHP is an open source software .

## MYSQL

* MYSQL is a database server
* MYSQL is ideal for both small and large applications
* MYSQL supports standard SQL
* MYSQL compiles on a number of platforms

## CHAPTER 5

**SYSTEM DESIGN**

## Architecture Diagram

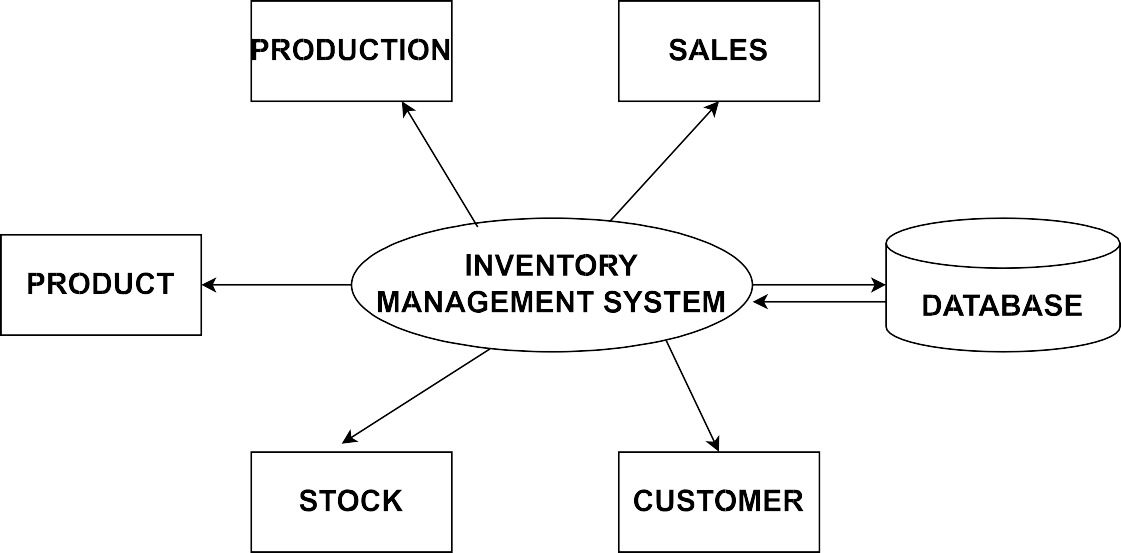


Figure No 5.1 Architecture Diagram

## ER diagram

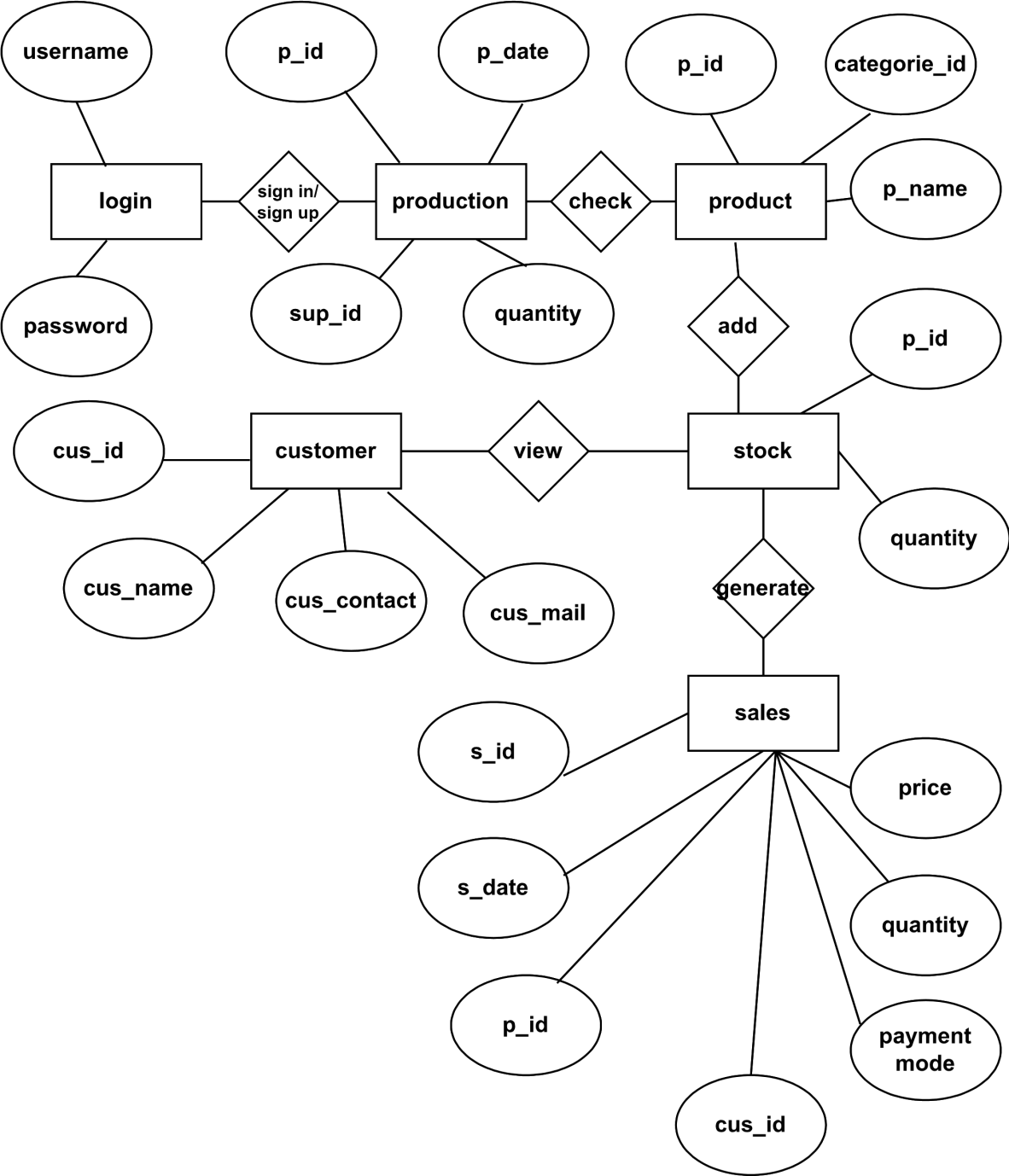
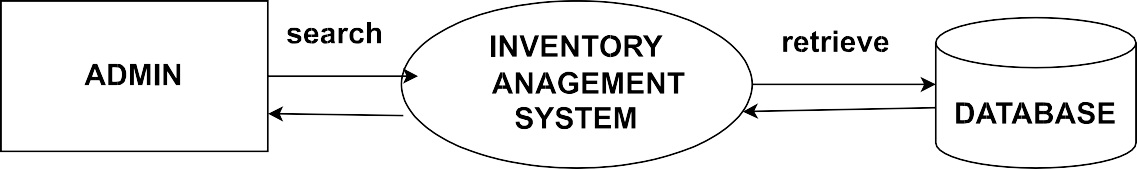


Figure No 5.2 ER Diagram

## Dataflow diagram

**Level 0**



## Level 1

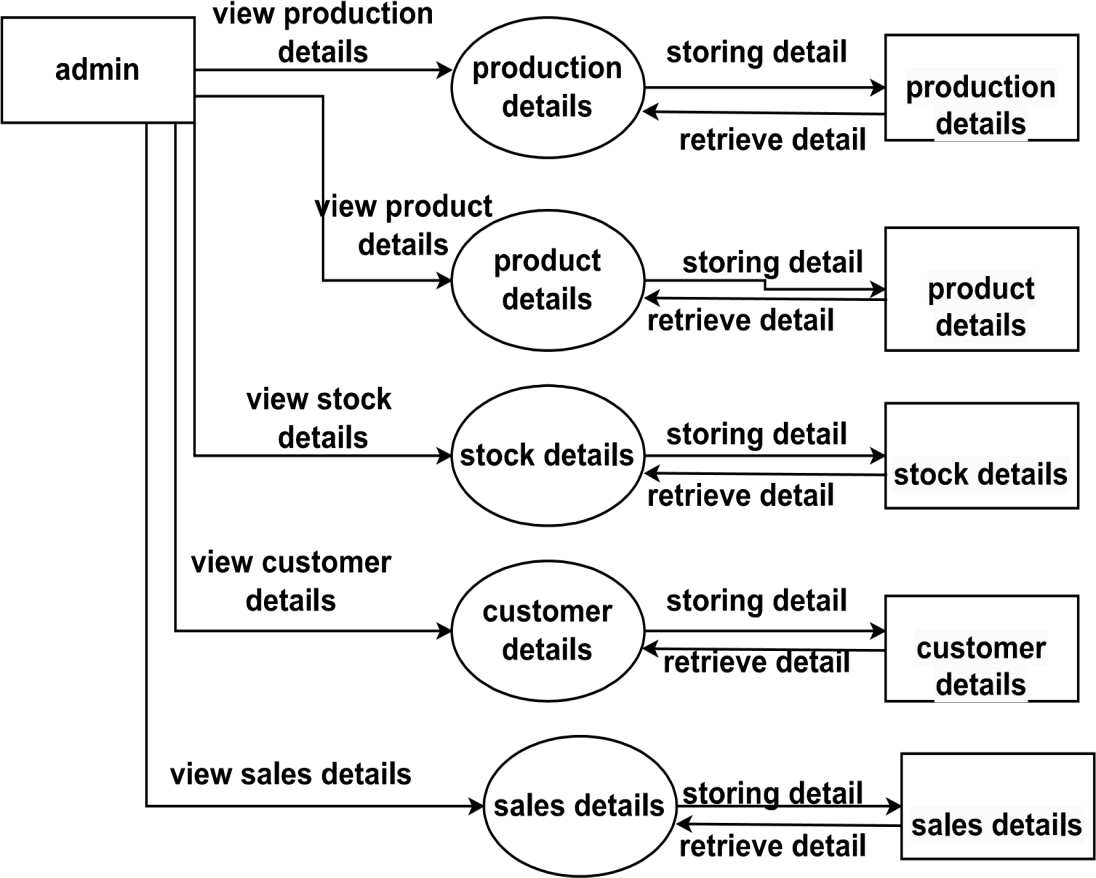


Figure No 5.3 DFD Diagram Level 0& Level1

## UML diagram

* + 1. **Use Case Diagram**

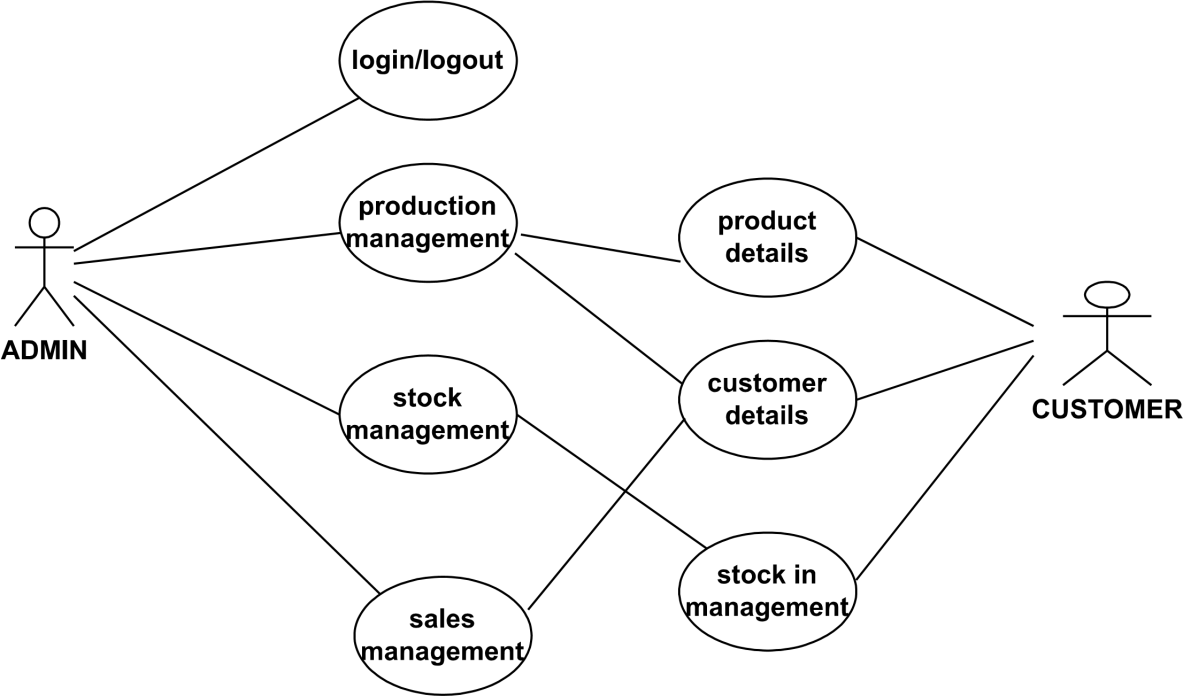


Figure No 5.4 Use Case Diagram

## Class Diagram

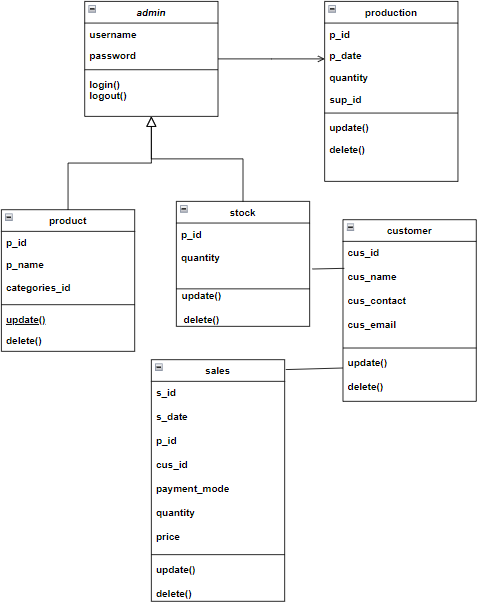


Figure No 5.5 Class Diagram

## Activity Diagram

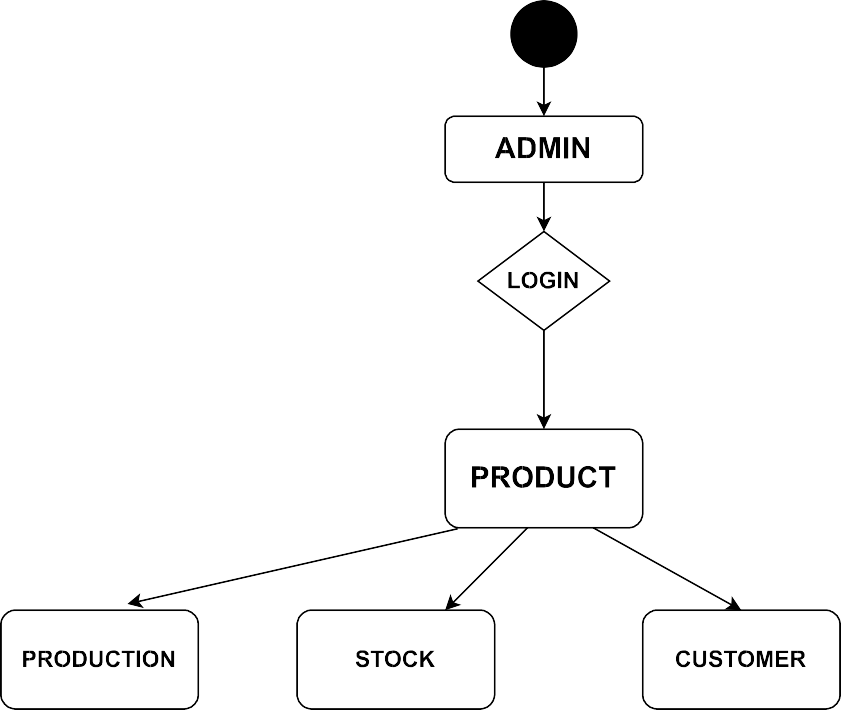


Figure No 5.6 Activity Diagram

## Sequence diagram

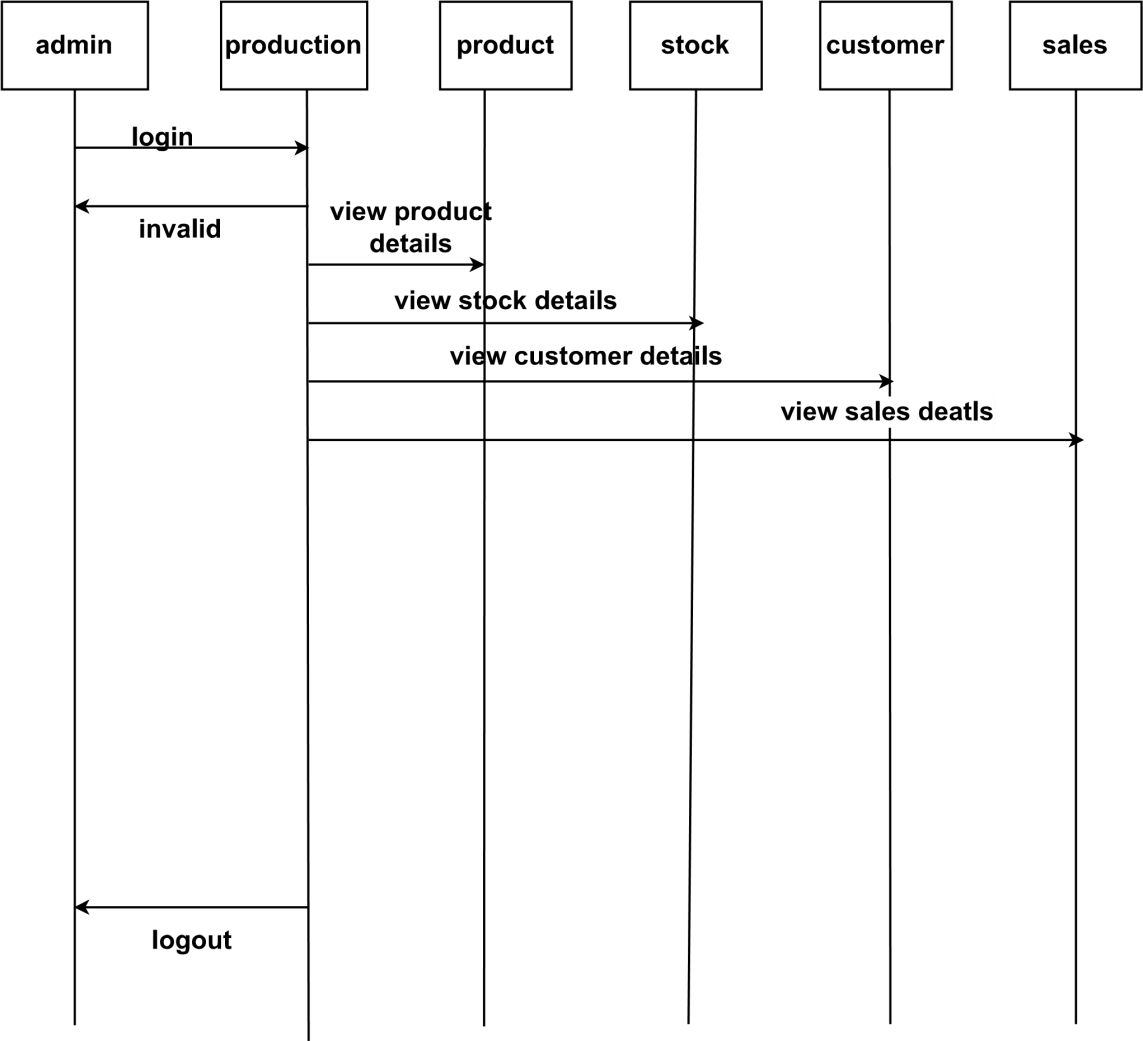


Figure No 5.7 Sequence Diagram

## Database design Table 1

**Table Name: Admin**

Login page is used for security using this page, the authorized admin only log onto system. The fields are Pssword-Security Code used for log into system.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.NO** | **FIELD NAME** | **DATA TYPE** | **KEY** | **DESCRIPTION** |
| 1 | User name | Varchar(15) | Primary key | User name |
| 2 | Password | Varchar(50) | Not null | Password |

Table No 5.1 Login Data

## Table 2

**Table Name: Production**

The production details used to store the material details for the admin and used it to maintain for long times, it can be retrieve it whenever we want easily, but in manual it is difficult to process.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.NO** | **FIELD NAME** | **DATA TYPE** | **KEY** | **DESCRIPTION** |
| 1 | p\_date | Date | not null | production date |
| 2 | p\_id | int(11) | foreign key | product id |
| 3 | Quantity | int(5) | not null | quantity of product |
| 4 | sup\_id | int(5) | not null | supervisor id |

Table No 5.2 Production Details

## Table 3

**Table Name: Product**

The product stock detail to store the material details for the admin and used it to maintain for long times, it can be retrieve it whenever we want easily, but in manual it is difficult to process.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.NO** | **FIELD NAME** | **DATA TYPE** | **KEY** | **DESCRIPTION** |
| 1 | p\_id | int (11) | foreign key | product\_id |
| 2 | Categories\_id | Varchar(20) | Not null | Product size |
| 3 | P\_name | Varchar(15) | Not null | Product name |

Table No 5.3 Product Detail

## Table 4

**Table Name: Stock**

Stock detail contains the product that the admin knowns the product is stock and it will easily identify to find the users have stock detail. It contains the detail of product is stock.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.NO** | **FIELD NAME** | **DATA TYPE** | **KEY** | **DESCRIPTION** |
| 1 | p\_id | int (11) | foreign key | product\_id |
| 2 | Quantity | int(5) | not null | quantity of product |

Table No 5.4 Stock Detail

## Table 5

**Table Name: Customer**

It stores the customer details for admin and it may use later to identify the details of customer. And it needs to identify when the stock has missed it can be searched and get the details.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.NO** | **FIELD NAME** | **DATA TYPE** | **KEY** | **DESCRIPTION** |
| 1 | Cus \_id | Varchar(30) | Primary key | Customer id |
| 2 | Cus \_name | Varchar(30) | Not null | Customer name |
| 3 | Cus\_contact | varchar(30) | Not null | Customer contact |
| 4 | Cus\_mail | Varchar(30) | Not null | Customer mail id |

Table No 5.5 Customer Detail

## Table 6

**Table Name: Sales**

Sales detail contains the product that the admin knowns the product is sales and it will easily identify to find the users have sales detail. It contains the detail of product is sales.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.NO** | **FIELD NAME** | **DATA TYPE** | **KEY** | **DESCRIPTION** |
| 1 | S\_id | Int(11) | Primary key | Sales id |
| 2 | S\_date | Date | Not null | Sales date |
| 3 | P\_id | Int(11) | Not null | Product name |
| 4 | Cus\_id | Int(11) | Not null | Customer id |
| 5 | Pay\_mode | Varchar(20) | Not null | Pay mode |
| 6 | Quantity | Int(11) | Not null | Quantity of product |
| 7 | Price | Float(25,2) | Not null | Price of product |

Table No 5.6 Sales Detail

## CHAPTER 6 PROJECT DESCRIPTION

* 1. **Problem Definition**

The process of matchbox management system is very difficult and complicated to maintain the records in existing system. The records are maintain manually so there are complicated to maintain the records of the matchbox management system to convert the manual maintenance to systematic, this project will solve the problem that they are facing.

## Module Description

Login

Login page is used for security using this page, the authorized admin only log into system. The fields are Password- Security code used for log into system.

Production Detail

The production detail used to store the material details for the admin and used it to maintain for long times, it can be retrieve it whenever we want easily, but in manual it is difficult to process.

Product Detail

The product detail to store the material details for the admin and used it to maintain for long times, it can be retrieve it whenever we want easily, but in manual it is difficult to process.

Stock Detail

Stock detail contains the product that the admin knowns the product is stock and it will easily identify to find the users have stock detail. It contains the detail of product is stock.

Sales Detail

Sales detail contains the product that the admin knowns the product is sales and it will easily identify to find the users have sales detail. It contains the detail of product is sales.

Customer Detail

It stores the customer details for admin and it may use later to identify the details of customer. And it needs to identify when the stock has missed it can be searched and get the details.

## CHAPTER 7

**SOFTWARE TESTING AND MAINTANENCE**

## Introduction

Software testing is an investigation conducted to provide stakeholders with information about of the quality of the product or service under test. Software testing can also provide an objective, independent view of the software to allow the business to appreciate and understand the risk of software implementation. Test techniques include the process of executing a process of executing a program or application with the intent of finding software bugs (errors or other defects). It involves the execution of a software component or system component to evaluate one or more properties of interest.

## Testing Types

* + 1. **Black box Testing**

Black box testing is testing the software testing method which is used to test the software without knowing the internal structure of code or program. The main purpose of the black box is to check whether the software is working as per expected in requirement document & whether it is meeting. tester only determines the correct expected outputs. All the test using such method are calculate based on requirement & specification document.

## White box Testing

White box testing (WBT) is also known as code-based testing or structural testing. White box testing is the software testing method in which internal structure is being known to tester who is going to test the software. Testing based on analysis of the internal structure of the component or system. While unit, integration and system levels of the software testing process, it is usually done at the unit level. It can test paths with in a unit, paths between units during integration, and between subsystem during a system- level test.

## System Testing

System testing, or end-to-end testing, tests completely integrated system to verify that it meets its requirements. For example, a system test might involve testing a login interface, then creating and editing an entry, plus sending or printing results, followed by summary processing or deletion (or archiving) of entries, then logout. In addition, the software testing should ensure that the program, as well as working as expected, does not also destroy or partially corrupt its operating environment or cause other processes within that environment to become inoperative (this include not corrupting shared memory, not consuming or locking up excessive resource and parallel processes unnamed by its presence).

## Unit Testing

Unit testing is a software development process that involves synchronized application of a broad spectrum of defect prevention and detection strategies in order to reduce software development risks, time, and costs. It is performed by the software developer or engineer during the construction phase of the software development lifecycle. Rather than replace traditional QA focuses, it augments.

## Gray box Testing

System testing ensures that the entire integrated software system meets requirements. It tests a configuration to ensure known and predictable results. An example of system testing is the configuration oriented system integration test. System testing is based on process descriptions and flow, emphasizing pre-driven process links and integration points.

## Acceptance Testing

System testing is the stage of Implementation Which is aimed at ensuring that the system works accurately and efficiently before live operation commences. Testing is vital to the success of the system. An elaborate testing of data is prepared and the system is tested using this data. While testing error noted and corrections are mode. The users are trained to operate the developed system. Both hardware and software securities are made to run the developed system successfully in future.

## Test Case

|  |  |
| --- | --- |
| **Project Name:** Inventory Management System | |
| **Test Case Template** | |
| **Test Case ID**: 1 | **Test Designed by:** Priyadharshini |
| **Test Priority (Low/Medium/High):** Med | **Test Designed date:** 17-06-2023 |
| **Module Name:** login screen | **Test Executed by:** Priyadharshini |
| **Test Title:** Verify Admin login with valid username and password | **Test Execution date:** 18-06-2023 |
| **Test Title:** Verify with valid username and password |  |
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| --- |
| **Pre-conditions:** User has to enter the valid username and password |
| **Dependencies:** Test the Login page. |

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| **Step** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status (Pass/Fail)** | **Notes** |
| 1 | Navigate to login page | Admin credential  Username:admin | User should be able to login | User is navigated to login page | Pass |  |
| 2 | Provide valid username | Password: Test@123 |  | dashboard with successful |  |  |
| 3 | Provide valid username |  |  | login |  |  |
| 4 | Click on Login button |  |  |  | Pass |  |
|  |  |  |  |  |  |  |

**Post-conditions:**

User is validated with database and successfully login to account. The account session details are logged in database

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| --- | --- |
| **Project Name:** Inventory Management System | |
| **Test Case Template** | |
| **Test Case ID**: 2 | **Test Designed by:** Priyadharshini |
| **Test Priority (Low/Medium/High):** Med | **Test Designed date:** 17-06-2023 |
| **Module Name:** login screen (Invalid data) | **Test Executed by:** Priyadharshini |
| **Test Title:** Verify Admin login with invalid username and password | **Test Execution date:** 18-06-2023 |
| **Test Title:** Verify with valid username and password |  |
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| --- |
| **Pre-conditions:** User has to valid the incorrect data with the database |
| **Dependencies:** Test the Login page. |

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| **Step** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status (Pass/Fail)** | **Notes** |
| 1 | Navigate to login page | Admin Credential Username:@Admin | User should not be able to login | User is navigated to  username password incorrect | Pass |  |
| 2 | Provide invalid username | Password:Admin |  | dashboard with successful |  |  |
| 3 | Provide invalid username |  |  | login |  |  |
| 4 | Click on Login button |  |  |  | Pass |  |
|  |  |  |  |  |  |  |

**Post-conditions:**

User is validated with database and successfully login to account. The account session details are logged in database

|  |  |
| --- | --- |
| **Project Name:** Inventory Management System | |
| **Test Case Template** | |
| **Test Case ID**: 3 | **Test Designed by:** Priyadharshini |
| **Test Priority (Low/Medium/High):**  Med | **Test Designed date:** 17-06-2023 |
| **Module Name:** product details screen | **Test Executed by:** Priyadharshini |
| **Test Title:** verify prod\_id and pro\_name. | **Test Execution date:** 18-06-2023 |
| **Test Title:** Test the product details page |  |
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|  |
| --- |
| **Pre-conditions:** User has to enter the invalid prod\_id nd prod\_name |
| **Dependencies:** Test the Product page. |

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| --- | --- | --- | --- | --- | --- | --- |
| **Step** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status (Pass/Fail)** | **Notes** |
| 1 | Navigate to login page |  |  |  |  |  |
| 2 | Provide valid username |  |  |  |  |  |
| 3 | Provide valid username | Prod\_id=123 |  |  |  |  |
| 4 | Click on save button | Prod\_name=match | User should not be able to save | Input string of prod\_id and prod\_nam e is not correct | Pass |  |
|  |  |  |  |  |  |  |

**Post-conditions:**

User is validated the incorrect data with the database.

|  |  |
| --- | --- |
| **Project Name:** Inventory Management System | |
| **Test Case Template** | |
| **Test Case ID**: 4 | **Test Designed by:** Priyadharshini |
| **Test Priority (Low/Medium/High):** Med | **Test Designed date:** 17-06-2023 |
| **Module Name:** product details screen (Invalid data) | **Test Executed by:** Priyadharshini |
| **Test Title:** verify prod\_id and pro\_name. | **Test Execution date:** 18-06-2023 |
| **Test Title:** Test the product details page |  |
|  |  |

|  |
| --- |
| **Pre-conditions:** User has to enter the valid prod\_id nd prod\_name |
| **Dependencies:** Test the Product page. |

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| --- | --- | --- | --- | --- | --- | --- |
| **Step** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status (Pass/Fail)** | **Notes** |
| 1 | Navigate to login page | User Credential Username:User |  |  |  |  |
| 2 | Provide invalid username | Password:@User |  |  |  |  |
| 3 | Provide invalid username | Prod\_id=123 |  |  |  |  |
|  |  |  |  | Input |  |  |
| 4 | Click on Login button | Prod\_name=matc h | User should  be able to save | string of prod\_id and prod\_nam  e is | Pass |
|  |  |  |  | correct |  |
|  |  |  |  |  |  |  |

**Post-conditions:**

User is validated the correct data with the database.

**Functional Test**

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| --- | --- | --- | --- | --- |
| **Use Case** | **Function**  **Being Tested** | **Initial**  **System State** | **Input** | **Expected Output** |
| System Startup | System is started when the switch is  turned "on" | System is off | Activate the "on" switch | Project request login |
| System Startup | System accepts login | System is requesting login | Enter a username and password | Login the project |
| System Startup | Connection to the project is established | System has just been turned on | Enter the data | System output should demonstrate that a connection has been established to the  Project |
| Enter into the Dashboard | Briefly view the no of Inventory entries in a particular period | System is on in dashboard data | Entered valid Inventory entries | System displays the entered Inventory entries of the data |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Use Case** | **Function Being**  **Tested** | **Initial**  **System State** | **Input** | **Expected Output** |
| Enter into the inventor y category | Update Matchbox Category detail | System is on in types of Inventory | Enter the Inventory category details | System added the Inventory details successfully |
| Enter into the Producti on details | Show the production details | System is on add product | Enter the production details | Added production details successfully |
| Enter into the manage product | Manage incoming and outgoing product | Manage incoming product | Enter the product details | System displays the incoming and outgoing product |
| Enter into the customer details | Show the customer details | System is on the add customer | Enter the customer details | Added customer details successfully |
| Enter into the manage customer | Manage incoming customer | Manage incoming customer | Enter the customer details | System displays the incoming customer |
| Enter into the sales details | Show the sales details | System is on add sales | Enter the sales details | Added sales details successfully |
| Enter into the manage | Manage incoming and outgoing sales | Manage incoming sales | Enter the sales details | System displays the incoming and outgoing sales |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Use Case** | **Function Being**  **Tested** | **Initial**  **System State** | **Input** | **Expected Output** |
| Enter into the report sales | Generate sales reports | List of sales entries between dates | Enter into the report sales details | Generate sales entries reposts successfully |
| System Shutdown | System is shutdown when the switch is turned off | System is on and not servicing a admin | Active the off switch | System off |

## CHAPTER 8

**CONCLUSION**

The project inventory management system has been developed to overcomes the problem faced in the present system. This project assists in automating the existion manual system. This is a paperless work. It reduces the man power required. It provides accurate information always. Malpractice can be reduced. All years together gathered information can be saved and can be accessed at any time. The data which is stored in the repository helps in taking intelligent decisions by the management and admin can get the required information without delay. We conclude that the software helps in printing the inventory management system report with simplified manner and also it helps in minimizing the manual struggle. This project helps the user handle the information efficiently and produce report.

**CHAPTER 9**

# FURTHER ENHANCEMENT

The Project has a very vast scope in future for the smart ambulance android app’s. The Project can be implemented and update in to the intranet in future. Smart Ambulance system can be updated in near future as and when requirement for the same arises, as it is very flexible in terms of expansion.

**CHAPTER 10**

# APPENDICES

## 10.1 Sample Code

Add product.php

<?php

$page\_title = 'Add Product'; require\_once('includes/load.php');

// Checkin What level user has permission to view this page page\_require\_level(2);

$all\_categories = find\_all('categories');

$all\_photo = find\_all('media');

?>

<?php if(isset($\_POST['add\_product'])){

$req\_fields = array('product-title','product-categorie','product-quantity','buying-price', 'saleing-price' );

validate\_fields($req\_fields); if(empty($errors)){

$p\_name = remove\_junk($db->escape($\_POST['product-title']));

$p\_cat = remove\_junk($db->escape($\_POST['product-categorie']));

$p\_qty = remove\_junk($db->escape($\_POST['product-quantity']));

$p\_buy = remove\_junk($db->escape($\_POST['buying-price']));

$p\_sale = remove\_junk($db->escape($\_POST['saleing-price']));

media\_id = '0';

} else {

$media\_id = remove\_junk($db->escape($\_POST['product-photo']));

}

$date = make\_date();

$query = "INSERT INTO products (";

$query .=" name,quantity,buy\_price,sale\_price,categorie\_id,media\_id,date";

$query .=") VALUES (";

$query .=" '{$p\_name}', '{$p\_qty}', '{$p\_buy}', '{$p\_sale}', '{$p\_cat}', '{$media\_id}', '{$date}'";

$query .=")";

$query .=" ON DUPLICATE KEY UPDATE name='{$p\_name}'"; if($db->query($query)){

$session->msg('s',"Product added "); redirect('add\_product.php', false);

} else {

$session->msg('d',' Sorry failed to added!'); redirect('product.php', false);

}

} else{

$session->msg("d", $errors); redirect('add\_product.php',false);

}

}

?>

<?php include\_once('layouts/header.php'); ?>

<div class="row">

<div class="col-md-12">

<?php echo display\_msg($msg); ?>

</div>

</div>

<div class="row">

<div class="col-md-8">

<div class="panel panel-default">

<div class="panel-heading">

<strong>

<span class="glyphicon glyphicon-th"></span>

<span>Add New Product</span>

</strong>

</div>

<div class="panel-body">

<div class="col-md-12">

<form method="post" action="add\_product.php" class="clearfix">

<div class="form-group">

<div class="input-group">

<span class="input-group-addon">

<i class="glyphicon glyphicon-th-large"></i>

</span>

<input type="text" class="form-control" name="product-title" placeholder="Product Title">

</div>

</div>

<div class="form-group">

<div class="row">

<div class="col-md-6">

<select class="form-control" name="product-categorie">

<option value="">Select Product Category</option>

<?php foreach ($all\_categories as $cat): ?>

<option value="<?php echo (int)$cat['id'] ?>">

<?php echo $cat['name'] ?></option>

<?php endforeach; ?>

</select>

</div>

<div class="col-md-6">

<select class="form-control" name="product-photo">

<option value="">Select Product Photo</option>

<?php foreach ($all\_photo as $photo): ?>

<option value="<?php echo (int)$photo['id'] ?>">

<?php echo $photo['file\_name'] ?></option>

<?php endforeach; ?>

</select>

</div>

</div>

</div>

<div class="form-group">

<div class="row">

<div class="col-md-4">

<div class="input-group">

<span class="input-group-addon">

<i class="glyphicon glyphicon-shopping-cart"></i>

</span>

<input type="number" class="form-control" name="product-quantity" placeholder="Product Quantity">

</div>

</div>

<div class="col-md-4">

<div class="input-group">

<span class="input-group-addon">

<i class="glyphicon glyphicon-th-large"></i>

</span>

<input type="number" class="form-control" name="buying-price" placeholder="Product ID">

</div>

</div>

<div class="col-md-4">

<div class="input-group">

<span class="input-group-addon">

<i class="glyphicon glyphicon-usd"></i>

</span>

<input type="number" class="form-control" name="saleing-price" placeholder="Selling Price">

<span class="input-group-addon">.00</span>

</div>

</div>

</div>

</div>

<button type="submit" name="add\_product" class="btn btn-danger">Add product</button>

</form>

</div>

</div>

</div>

</div>

</div>

<?php include\_once('layouts/footer.php'); ?>

Edit product.php

<?php

$page\_title = 'Edit product'; require\_once('includes/load.php');

// Checkin What level user has permission to view this page page\_require\_level(2);

?>

<?php

$product = find\_by\_id('products',(int)$\_GET['id']);

$all\_categories = find\_all('categories');

$all\_photo = find\_all('media'); if(!$product){

$session->msg("d","Missing product id."); redirect('product.php');

}

?>

<?php if(isset($\_POST['product'])){

$req\_fields = array('product-title','product-categorie','product-quantity','buying- price', 'saleing-price' );

validate\_fields($req\_fields);

if(empty($errors)){

$p\_name = remove\_junk($db->escape($\_POST['product-title']));

$p\_cat = (int)$\_POST['product-categorie'];

$p\_qty = remove\_junk($db->escape($\_POST['product-quantity']));

$p\_buy = remove\_junk($db->escape($\_POST['buying-price']));

$p\_sale = remove\_junk($db->escape($\_POST['saleing-price']));

if (is\_null($\_POST['product-photo']) || $\_POST['product-photo'] === "") {

$media\_id = '0';

} else {

$media\_id = remove\_junk($db->escape($\_POST['product-photo']));

}

$query = "UPDATE products SET";

$query .=" name ='{$p\_name}', quantity ='{$p\_qty}',";

$query .=" buy\_price ='{$p\_buy}', sale\_price ='{$p\_sale}', categorie\_id

='{$p\_cat}',media\_id='{$media\_id}'";

$query .=" WHERE id ='{$product['id']}'";

$result = $db->query($query);

if($result && $db->affected\_rows() === 1){

$session->msg('s',"Product updated "); redirect('product.php', false);

} else {

$session->msg('d',' Sorry failed to updated!'); redirect('edit\_product.php?id='.$product['id'], false);

}

} else{

$session->msg("d", $errors); redirect('edit\_product.php?id='.$product['id'], false);

}

}

?>

<?php include\_once('layouts/header.php'); ?>

<div class="row">

<div class="col-md-12">

<?php echo display\_msg($msg); ?>

</div>

</div>

<div class="row">

<div class="panel panel-default">

<div class="panel-heading">

<strong>

<span class="glyphicon glyphicon-th"></span>

<span>Add New Product</span>

</strong>

</div>

<div class="panel-body">

<div class="col-md-7">

<form method="post" action="edit\_product.php?id=<?php echo (int)$product['id'] ?>">

<div class="form-group">

<div class="input-group">

<span class="input-group-addon">

<i class="glyphicon glyphicon-th-large"></i>

</span>

<input type="text" class="form-control" name="product-title" value="<?php echo remove\_junk($product['name']);?>">

</div>

</div>

<div class="form-group">

<div class="row">

<div class="col-md-6">

<select class="form-control" name="product-categorie">

<option value=""> Select a categorie</option>

<?php foreach ($all\_categories as $cat): ?>

<option value="<?php echo (int)$cat['id']; ?>" <?php if($product['categorie\_id'] === $cat['id']): echo "selected"; endif; ?> >

<?php echo remove\_junk($cat['name']); ?></option>

<?php endforeach; ?>

</select>

</div>

<div class="col-md-6">

<select class="form-control" name="product-photo">

<option value=""> No image</option>

<?php foreach ($all\_photo as $photo): ?>

<option value="<?php echo (int)$photo['id'];?>" <?php if($product['media\_id'] === $photo['id']): echo "selected"; endif; ?> >

<?php echo $photo['file\_name'] ?></option>

<?php endforeach; ?>

</select>

</div>

</div>

</div>

<div class="form-group">

<div class="row">

<div class="col-md-4">

<div class="form-group">

<label for="qty">Quantity</label>

<div class="input-group">

<span class="input-group-addon">

<i class="glyphicon glyphicon-shopping-cart"></i>

</span>

<input type="number" class="form-control" name="product-quantity" value="<?php echo remove\_junk($product['quantity']); ?>">

</div>

</div>

</div>

<div class="col-md-4">

<div class="form-group">

<label for="qty">Buying price</label>

<div class="input-group">

<span class="input-group-addon">

<i class="glyphicon glyphicon-usd"></i>

</span>

<input type="number" class="form-control" name="buying-price" value="<?php echo remove\_junk($product['buy\_price']);?>">

<span class="input-group-addon">.00</span>

</div>

</div>

</div>

<div class="col-md-4">

<div class="form-group">

<label for="qty">Selling price</label>

<div class="input-group">

<span class="input-group-addon">

<i class="glyphicon glyphicon-usd"></i>

</span>

<input type="number" class="form-control" name="saleing-price" value="<?php echo remove\_junk($product['sale\_price']);?>">

<span class="input-group-addon">.00</span>

</div>

</div>

</div>

</div>

</div>

<button type="submit" name="product" class="btn btn- danger">Update</button>

</form>

</div>

</div>

</div>

</div>

<?php include\_once('layouts/footer.php'); ?>

Add customer.php

<?php

$page\_title = 'customer add'; require\_once('includes/load.php');

// Checkin What level user has permission to view this page page\_require\_level(2);

?>

<?php if(isset($\_POST['customer\_add'])){

$req\_fields = array('cus\_id','cus\_name','cus\_contact','cus\_mail'); validate\_fields($req\_fields);

if(empty($errors)){

$cus\_id = remove\_junk($db->escape($\_POST['cus\_id']));

$cus\_name = remove\_junk($db->escape($\_POST['cus\_name']));

$cus\_contact = remove\_junk($db->escape($\_POST['cus\_contact']));

$cus\_mail = remove\_junk($db->escape($\_POST['cus\_mail']));

$query = "INSERT INTO customer\_details (";

$query .=" cus\_id,cus\_name,cus\_contact,cus\_mail";

$query .=") VALUES (";

$query .=" '{$cus\_id}', '{$cus\_name}', '{$cus\_contact}', '{$cus\_mail}'";

$query .=")";

$query .=" ON DUPLICATE KEY UPDATE cus\_id='{$cus\_id}'"; if($db->query($query)){

$session->msg('s',"Details added "); redirect('customer\_add.php', false);

} else {

$session->msg('d',' Sorry failed to added!');

redirect('customer\_add.php', false);

}

} else{

$session->msg("d", $errors); redirect('customer\_add.php',false);

}

}

?>

<?php include\_once('layouts/header.php'); ?>

<div class="row">

<div class="col-md-12">

<?php echo display\_msg($msg); ?>

</div>

</div>

<div class="row">

<div class="col-md-8">

<div class="panel panel-default">

<div class="panel-heading">

<strong>

<span class="glyphicon glyphicon-th"></span>

<span>Add New Product</span>

</strong>

</div>

<div class="panel-body">

<div class="col-md-12">

<form method="post" action="customer\_add.php" class="clearfix">

<div class="form-group">

<div class="input-group">

<span class="input-group-addon">

<i class="glyphicon glyphicon-th-large"></i>

</span>

<input type="text" class="form-control" name="cus\_id" placeholder="Customer ID">

</div>

</div>

<div class="form-group">

<div class="input-group">

<span class="input-group-addon">

<i class="glyphicon glyphicon-th-large"></i>

</span>

<input type="text" class="form-control" name="cus\_name" placeholder="Customer Name">

</div>

</div>

<div class="form-group">

<div class="input-group">

<span class="input-group-addon">

<i class="glyphicon glyphicon-th-large"></i>

</span>

<input type="text" class="form-control" name="cus\_contact" placeholder="Customer Conatact">

</div>

</div>

<div class="form-group">

<div class="input-group">

<span class="input-group-addon">

<i class="glyphicon glyphicon-th-large"></i>

</span>

<input type="text" class="form-control" name="cus\_mail" placeholder="Customer Mail">

</div>

</div>

</div>

</div>

</div>

</div>

<button type="submit" name="customer add" class="btn btn-danger">Add Customer</button>

</form>

</div>

</div>

</div>

</div>

</div>

<?php include\_once('layouts/footer.php'); ?>

Categories.php

<?php

$page\_title = 'All categories'; require\_once('includes/load.php');

// Checkin What level user has permission to view this page page\_require\_level(1);

$all\_categories = find\_all('categories')

?>

<?php if(isset($\_POST['add\_cat'])){

$req\_field = array('categorie-name'); validate\_fields($req\_field);

$cat\_name = remove\_junk($db->escape($\_POST['categorie-name'])); if(empty($errors)){

$sql = "INSERT INTO categories (name)";

$sql .= " VALUES ('{$cat\_name}')"; if($db->query($sql)){

$session->msg("s", "Successfully Added New Category"); redirect('categorie.php',false);

} else {

$session->msg("d", "Sorry Failed to insert."); redirect('categorie.php',false);

}

} else {

$session->msg("d", $errors); redirect('categorie.php',false);

}

}

?>

<?php include\_once('layouts/header.php'); ?>

<div class="row">

<div class="col-md-12">

<?php echo display\_msg($msg); ?>

</div>

</div>

<div class="row">

<div class="col-md-5">

<div class="panel panel-default">

<div class="panel-heading">

<strong>

<span class="glyphicon glyphicon-th"></span>

<span>Add New Category</span>

</strong>

</div>

<div class="panel-body">

<form method="post" action="categorie.php">

<div class="form-group">

<input type="text" class="form-control" name="categorie-name" placeholder="Category Name">

</div>

<button type="submit" name="add\_cat" class="btn btn-primary">Add Category</button>

</form>

</div>

</div>

</div>

<div class="col-md-7">

<div class="panel panel-default">

<div class="panel-heading">

<strong>

<span class="glyphicon glyphicon-th"></span>

<span>All Categories</span>

</strong>

</div>

<div class="panel-body">

<table class="table table-bordered table-striped table-hover">

<thead>

<tr>

<th class="text-center" style="width: 50px;">#</th>

<th>Categories</th>

<th class="text-center" style="width: 100px;">Actions</th>

</tr>

</thead>

<tbody>

<?php foreach ($all\_categories as $cat):?>

<tr>

<td class="text-center"><?php echo count\_id();?></td>

<td><?php echo remove\_junk(ucfirst($cat['name'])); ?></td>

<td class="text-center">

<div class="btn-group">

<a href="edit\_categorie.php?id=<?php echo (int)$cat['id'];?>" class="btn btn-xs btn-warning" data-toggle="tooltip" title="Edit">

<span class="glyphicon glyphicon-edit"></span>

</a>

<a href="delete\_categorie.php?id=<?php echo (int)$cat['id'];?>" class="btn btn-xs btn-danger" data-toggle="tooltip" title="Remove">

<span class="glyphicon glyphicon-trash"></span>

</a>

</div>

</td>

</tr>

<?php endforeach; ?>

</tbody>

</table>

</div>

</div>

</div>

</div>

</div>

<?php include\_once('layouts/footer.php'); ?> Delete category

<?php require\_once('includes/load.php');

// Checkin What level user has permission to view this page page\_require\_level(1);

?>

<?php

$categorie = find\_by\_id('categories',(int)$\_GET['id']); if(!$categorie){

$session->msg("d","Missing Categorie id."); redirect('categorie.php');

}

?>

<?php

$delete\_id = delete\_by\_id('categories',(int)$categorie['id']); if($delete\_id){

$session->msg("s","Categorie deleted."); redirect('categorie.php');

} else {

$session->msg("d","Categorie deletion failed."); redirect('categorie.php');

}

?>

Sales .php

<?php

$page\_title = 'All sale'; require\_once('includes/load.php');

// Checkin What level user has permission to view this page page\_require\_level(3);

?>

<?php

$sales = find\_all\_sale();

?>

<?php include\_once('layouts/header.php'); ?>

<div class="row">

<div class="col-md-6">

<?php echo display\_msg($msg); ?>

</div>

</div>

<div class="row">

<div class="col-md-12">

<div class="panel panel-default">

<div class="panel-heading clearfix">

<strong>

<span class="glyphicon glyphicon-th"></span>

<span>All Sales</span>

</strong>

<div class="pull-right">

<a href="add\_sale.php" class="btn btn-primary">Add sale</a>

</div>

</div>

<div class="panel-body">

<table class="table table-bordered table-striped">

<thead>

<tr>

<th class="text-center" style="width: 50px;">#</th>

<th> Product name </th>

<th class="text-center" style="width: 15%;">

Customer</th>

Payment</th>

<th class="text-center" style="width: 15%;">

<th class="text-center" style="width: 15%;"> Quantity</th>

<th class="text-center" style="width: 15%;"> Total </th>

<th class="text-center" style="width: 15%;"> Date </th>

<th class="text-center" style="width: 100px;"> Actions </th>

</tr>

</thead>

<tbody>

<?php foreach ($sales as $sale):?>

<tr>

<td class="text-center"><?php echo count\_id();?></td>

<td><?php echo remove\_junk($sale['name']); ?></td>

<td class="text-center"><?php echo remove\_junk($sale['customer']); ?></td>

<td class="text-center"><?php echo remove\_junk($sale['payment']); ?></td>

<td class="text-center"><?php echo (int)$sale['qty']; ?></td>

<td class="text-center"><?php echo remove\_junk($sale['price']); ?></td>

<td class="text-center"><?php echo $sale['date']; ?></td>

<td class="text-center">

<div class="btn-group">

<a href="edit\_sale.php?id=<?php echo (int)$sale['id'];?>" class="btn btn- warning btn-xs" title="Edit" data-toggle="tooltip">

<span class="glyphicon glyphicon-edit"></span>

</a>

<a href="delete\_sale.php?id=<?php echo (int)$sale['id'];?>" class="btn btn-danger btn-xs" title="Delete" data-toggle="tooltip">

<span class="glyphicon glyphicon-trash"></span>

</a>

</div>

</td>

</tr>

<?php endforeach;?>

</tbody>

</table>

</div>

</div>

</div>

</div>

<?php include\_once('layouts/footer.php'); ?> Sales report.phhp

<?php

$page\_title = 'Sales Report';

$results = ''; require\_once('includes/load.php');

// Checkin What level user has permission to view this page page\_require\_level(3);

?>

<?php if(isset($\_POST['submit'])){

$req\_dates = array('start-date','end-date'); validate\_fields($req\_dates);

if(empty($errors)):

$start\_date = remove\_junk($db->escape($\_POST['start-date']));

$end\_date = remove\_junk($db->escape($\_POST['end-date']));

$results = find\_sale\_by\_dates($start\_date,$end\_date); else:

$session->msg("d", $errors); redirect('sales\_report.php', false); endif;

} else {

$session->msg("d", "Select dates"); redirect('sales\_report.php', false);

}

?>

<!doctype html>

<html lang="en-US">

<head>

<meta http-equiv="Content-Type" content="text/html; charset=utf-8">

<title>Default Page Title</title>

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.4/css/bootstrap.min.css"/>

<style> @media print { html,body{

font-size: 9.5pt; margin: 0;

padding: 0;

}.page-break {

page-break-before:always; width: auto;

margin: auto;

}

}

.page-break{ width: 980px; margin: 0 auto;

}

.sale-head{ margin: 40px 0; text-align: center;

}.sale-head h1,.sale-head strong{ padding: 10px 20px;

display: block;

}.sale-head h1{ margin: 0;

border-bottom: 1px solid #212121;

}.table>thead:first-child>tr:first-child>th{ border-top: 1px solid #000;

}

table thead tr th { text-align: center;

border: 1px solid #ededed;

}table tbody tr td{ vertical-align: middle;

}.sale-head,table.table thead tr th,table tbody tr td,table tfoot tr td{ border: 1px solid #212121;

white-space: nowrap;

}.sale-head h1,table thead tr th,table tfoot tr td{ background-color: #f8f8f8;

}tfoot{ color:#000;

text-transform: uppercase; font-weight: 500;

}

</style>

</head>

<body>

<?php if($results): ?>

<div class="page-break">

<div class="sale-head">

<h1>Inventory Management System - Sales Report</h1>

<strong><?php if(isset($start\_date)){ echo $start\_date;}?> TILL DATE <?php if(isset($end\_date)){echo $end\_date;}?> </strong>

</div>

<table class="table table-border">

<thead>

<tr>

<th>Date</th>

<th>Product Title</th>

<th>Buying Price</th>

<th>Selling Price</th>

<th>Total Qty</th>

<th>TOTAL</th>

</tr>

</thead>

<tbody>

<?php foreach($results as $result): ?>

<tr>

<td class=""><?php echo remove\_junk($result['date']);?></td>

<td class="desc">

<h6><?php echo remove\_junk(ucfirst($result['name']));?></h6>

</td>

<td class="text-right"><?php echo remove\_junk($result['buy\_price']);?></td>

<td class="text-right"><?php echo remove\_junk($result['sale\_price']);?></td>

<td class="text-right"><?php echo remove\_junk($result['total\_sales']);?></td>

<td class="text-right"><?php echo remove\_junk($result['total\_saleing\_price']);?></td>

</tr>

<?php endforeach; ?>

</tbody>

<tfoot>

<tr class="text-right">

<td colspan="4"></td>

<td colspan="1">Grand Total</td>

<td> $

<?php echo number\_format(total\_price($results)[0], 2);?>

</td>

</tr>

<tr class="text-right">

<td colspan="4"></td>

<td colspan="1">Profit</td>

<td> $<?php echo number\_format(total\_price($results)[1], 2);?></td>

</tr>

</tfoot>

</table>

</div>

<?php else:

$session->msg("d", "Sorry no sales has been found. "); redirect('sales\_report.php', false);

endif;

?>

</body>

</html>

<?php if(isset($db)) { $db->db\_disconnect(); } ?>

<?php

$page\_title = 'Sale Report'; require\_once('includes/load.php');

// Checkin What level user has permission to view this page page\_require\_level(3);

?>

<?php include\_once('layouts/header.php'); ?>

<div class="row">

<div class="col-md-6">

<?php echo display\_msg($msg); ?>

</div>

</div>

<div class="row">

<div class="col-md-6">

<div class="panel">

<div class="panel-heading">

</div>

<div class="panel-body">

<form class="clearfix" method="post" action="sale\_report\_process.php">

<div class="form-group">

<label class="form-label">Date Range</label>

<div class="input-group">

<input type="text" class="datepicker form-control" name="start-date" placeholder="From">

<span class="input-group-addon"><i class="glyphicon glyphicon-menu- right"></i></span>

<input type="text" class="datepicker form-control" name="end-date" placeholder="To">

</div>

</div>

<div class="form-group">

<button type="submit" name="submit" class="btn btn-primary">Generate Report</button>

</div>

</form>

</div>

</div>

</div>

</div>

<?php include\_once('layouts/footer.php'); ?>

View customer

<?php

$page\_title = 'All Product';

require\_once('includes/load.php');

// Checkin What level user has permission to view this page page\_require\_level(2);

$customer\_details = join\_customer\_table();

?>

<?php include\_once('layouts/header.php'); ?>

<div class="row">

<div class="col-md-12">

<?php echo display\_msg($msg); ?>

</div>

<div class="col-md-12">

<div class="panel panel-default">

<div class="panel-heading clearfix">

<div class="pull-right">

<a href="customer\_add.php" class="btn btn-primary">Add New</a>

</div>

</div>

<div class="panel-body">

<table class="table table-bordered">

<thead>

<tr>

<th class="text-center" style="width: 10%;"> Customer id </th>

<th class="text-center" style="width: 10%;"> Customer name </th>

<th class="text-center" style="width: 10%;"> Customer contact </th>

<th class="text-center" style="width: 10%;"> Customer mail</th>

</tr>

</thead>

<tbody>

<?php foreach ($customer\_details as $cus):?>

<tr>

?></td>

?></td>

<td class="text-center"> <?php echo remove\_junk($cus['cus\_id']); ?></td>

<td class="text-center"> <?php echo remove\_junk($cus['cus\_name']);

<td class="text-center"> <?php echo remove\_junk($cus['cus\_contact']);

<td class="text-center"> <?php echo remove\_junk($cus['cus\_mail']); ?></td>

</tr>

<?php endforeach; ?>

</tbody>

</tabel>

</div>

</div>

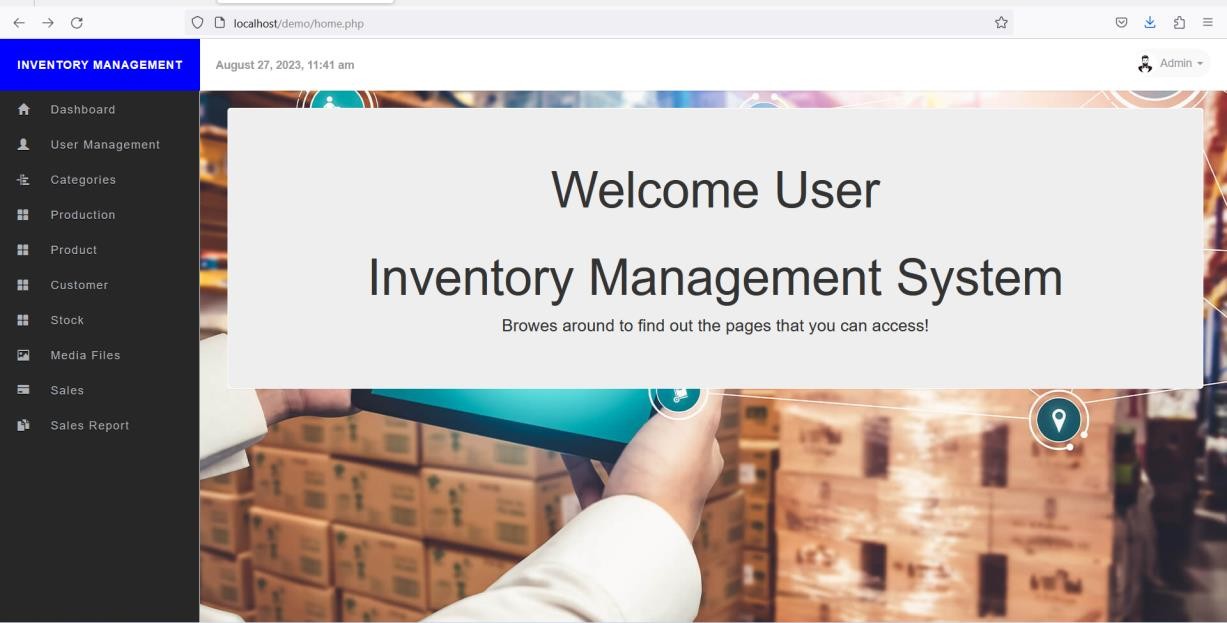
</div>

</div>

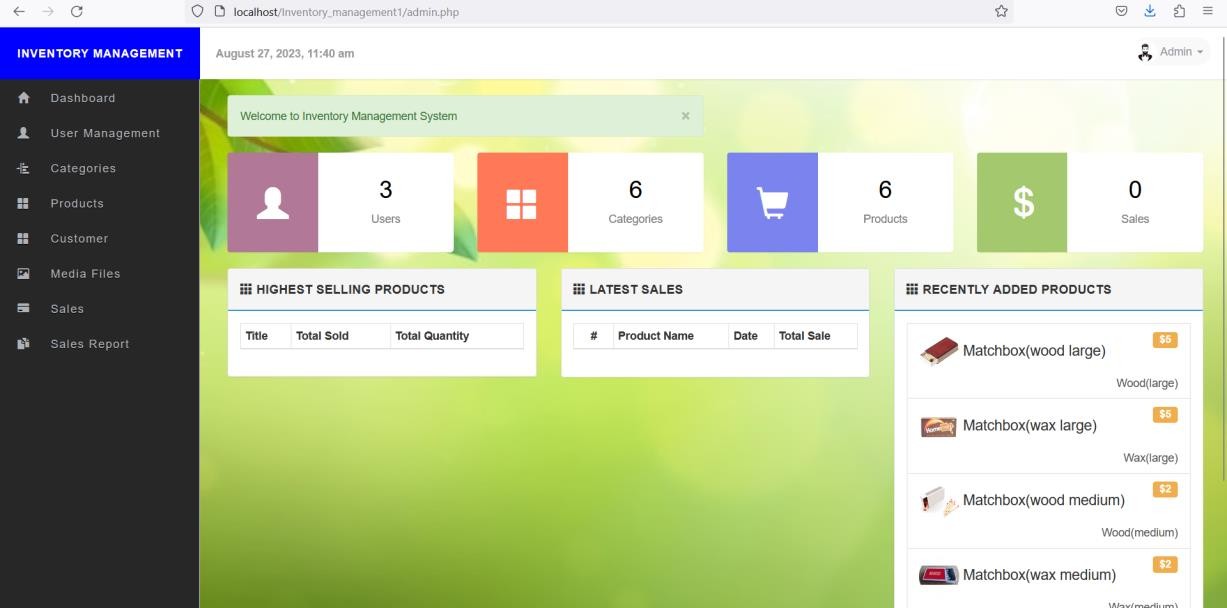
<?php include\_once('layouts/footer.php');

## CHAPTER 11

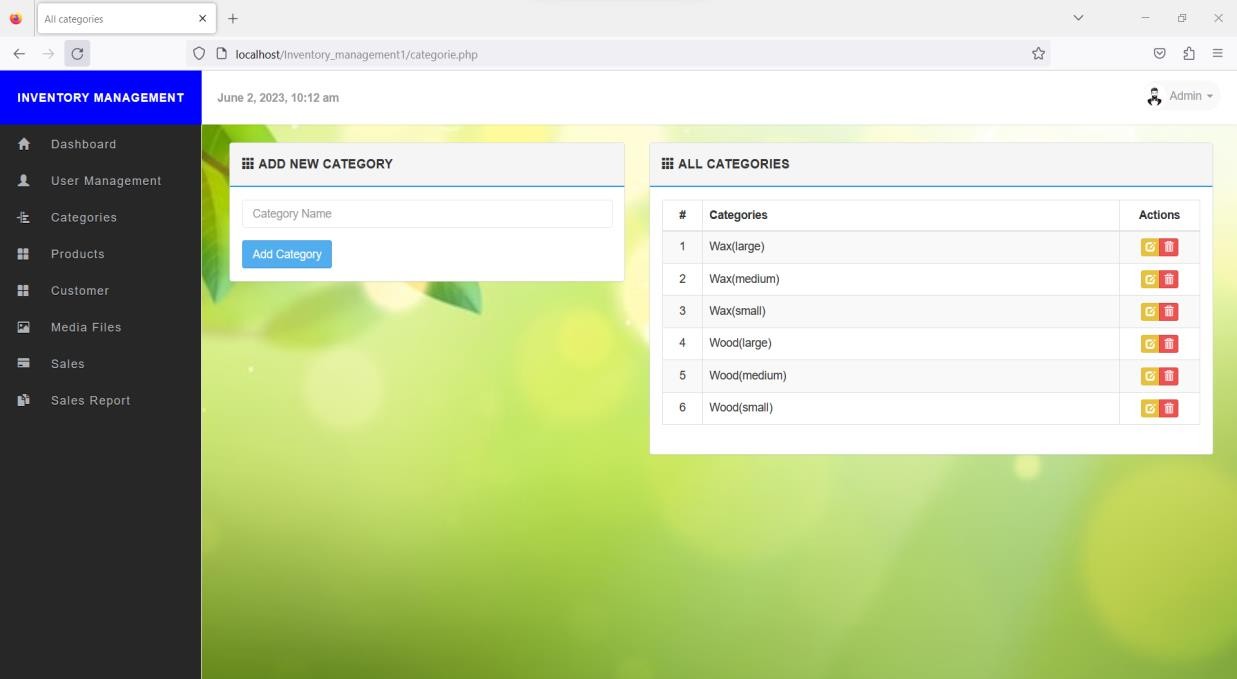
**SCREEN SHORT**



## DASHBOARD

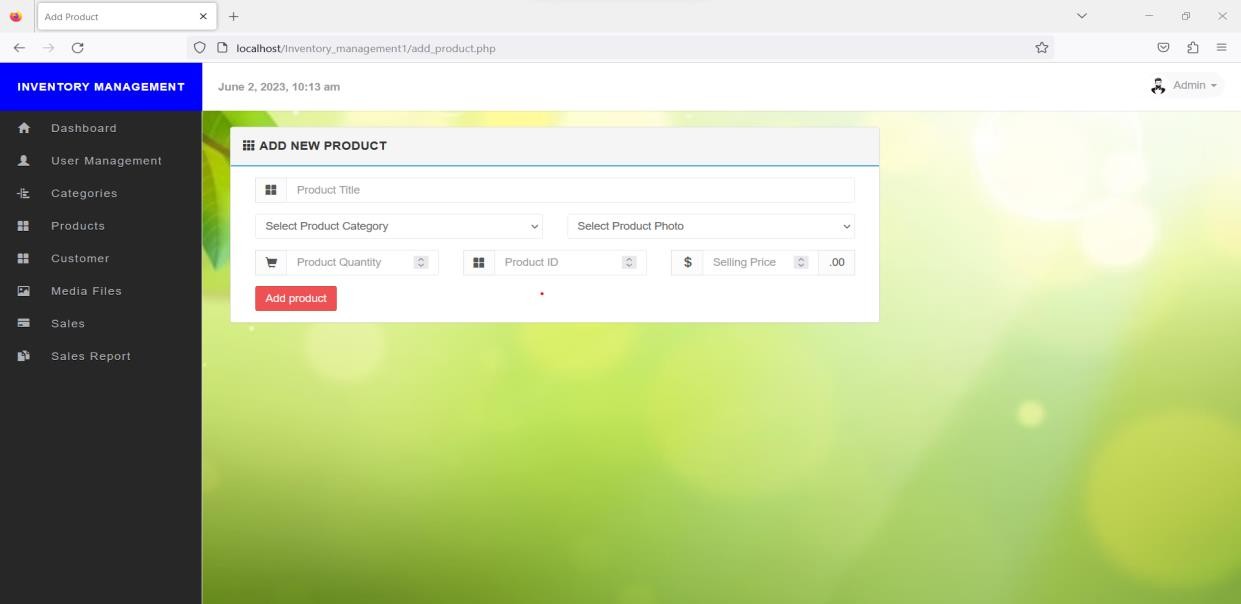


**ADD NEW CATEGORY**

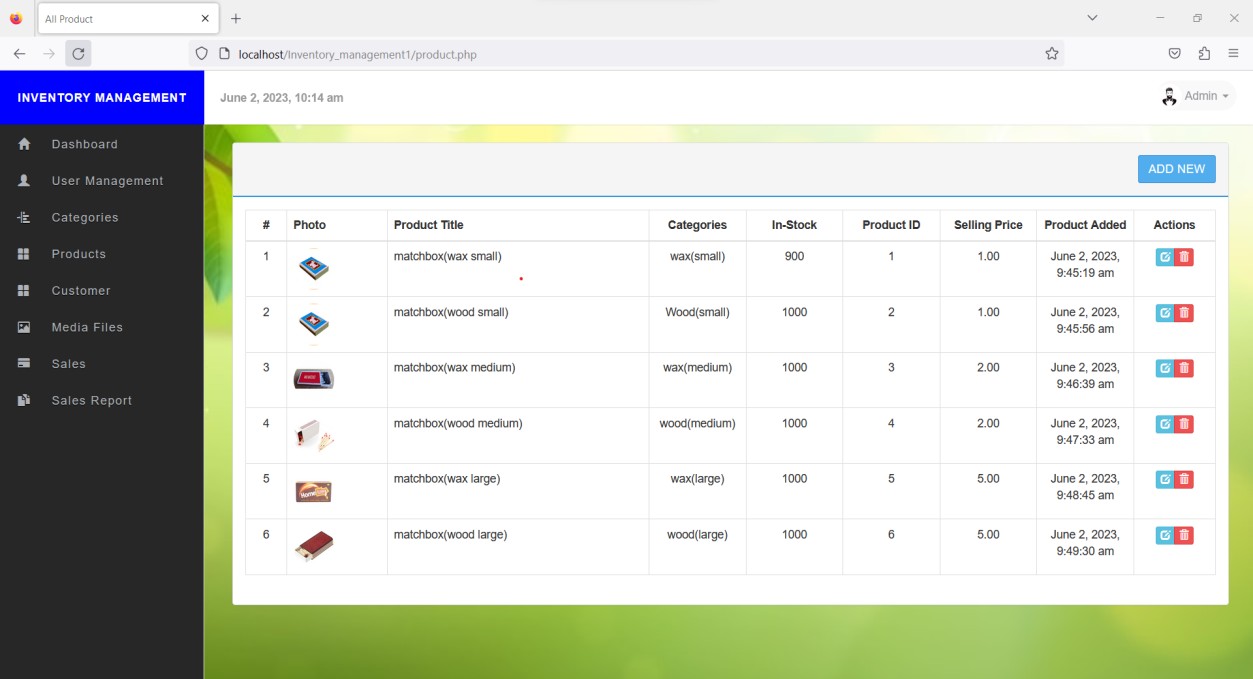


## PRODUCT

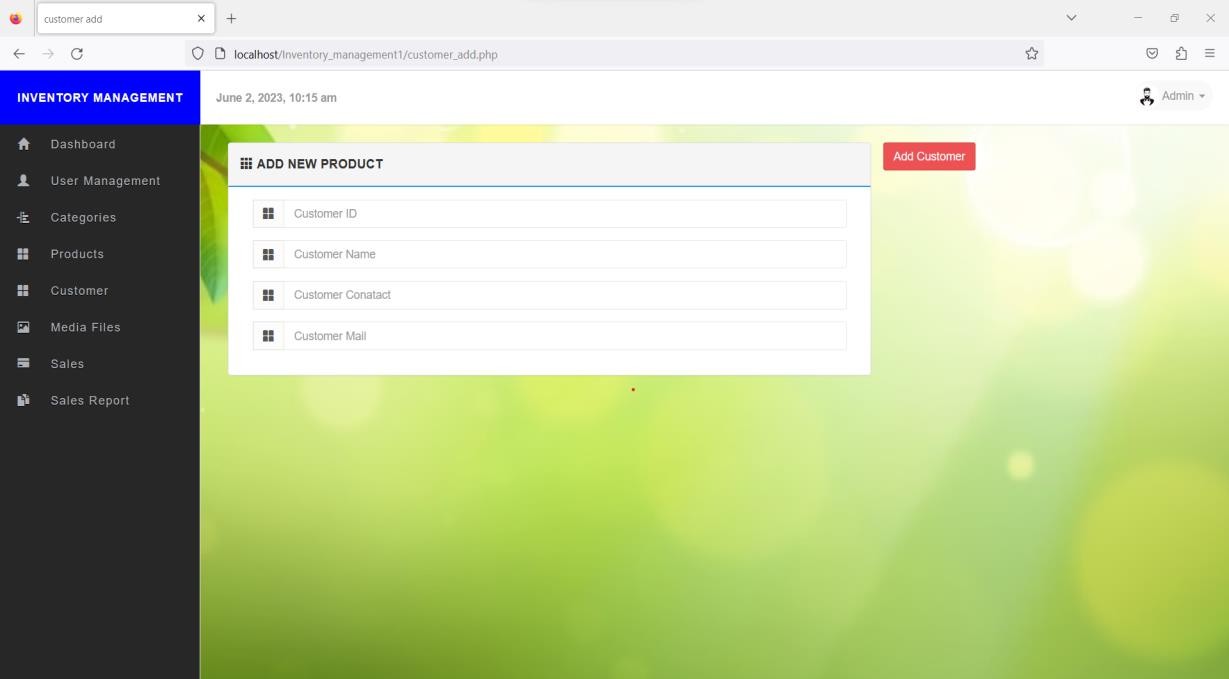
**ADD PRODUCT**



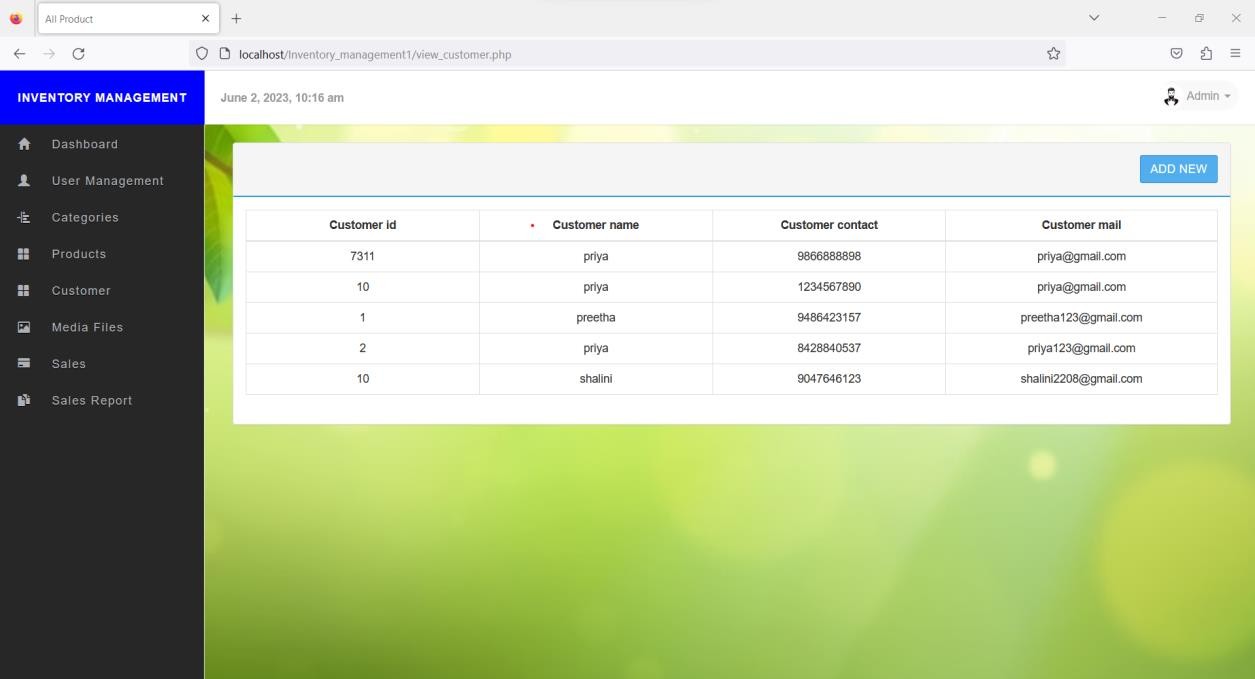
## MANAGE PRODUCT



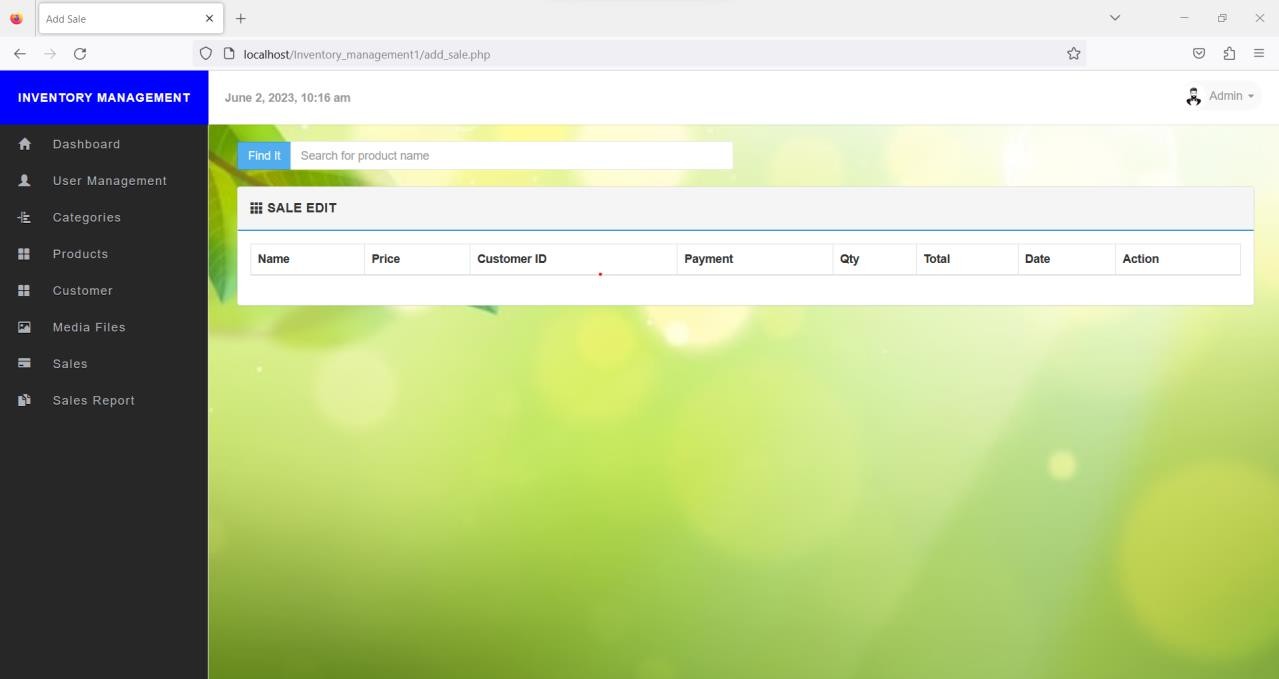
**ADD CUSTOMER**



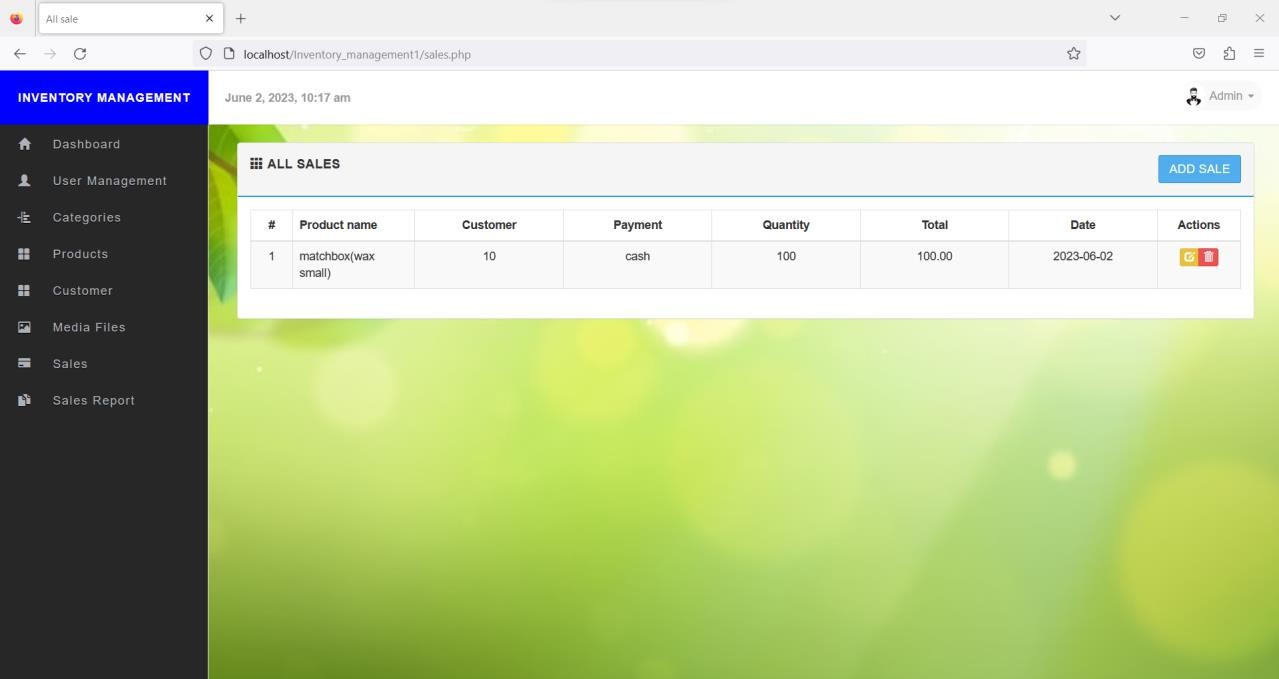
## MANAGE CUSTOMER



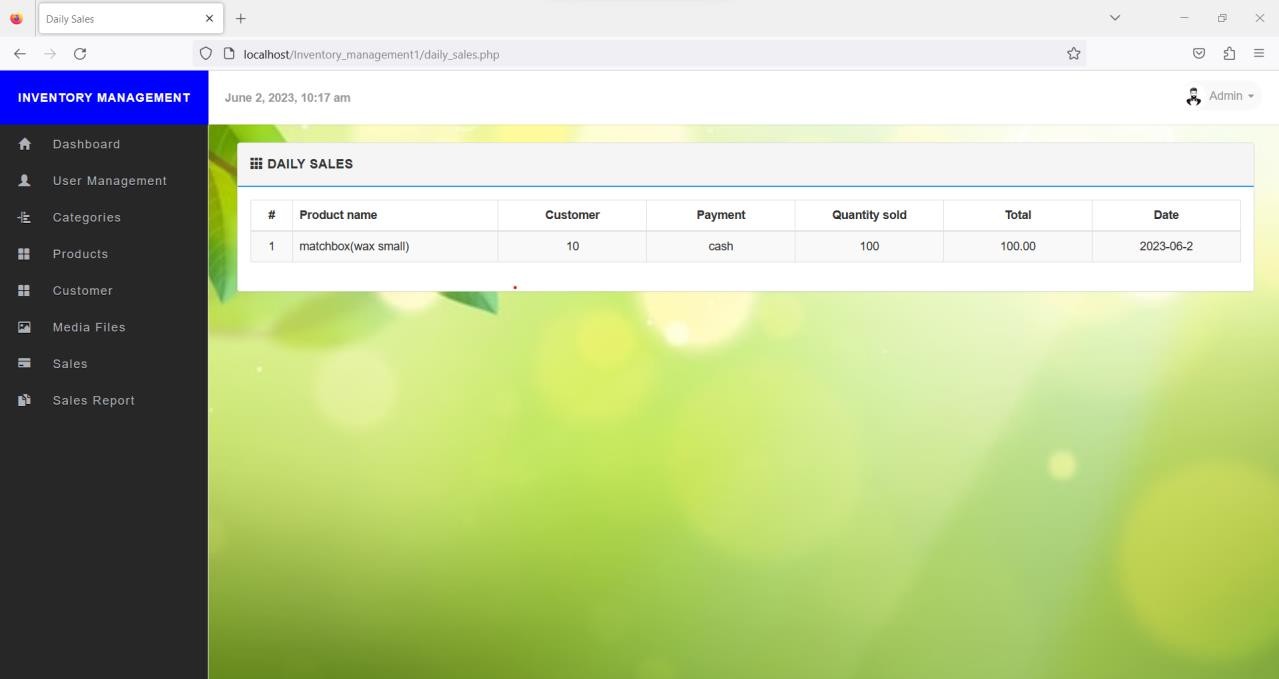
**ADD SALES**



## MANAGE SALES



**SALES REPORTS**



## CHAPTER 12 REFERENCES

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2. Robin Nixon “Learning PHP, MySQL, CSS “,4th Edition, O’Reily Publications,2015
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4. [https://www.](http://www.lowys.com/)lowys.[com](http://www.lowys.com/) : Content and look and feel.
5. [https://www.w3schools.](http://www.w3schools.com/)com : For Styles and other references.
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