

PROFESSIONAL TRAINING

At

Sathyabama Institute of Science and Technology

(Deemed to be University)

Submitted in partial fulfillment of the requirements for the award
of Bachelor of Technology Degree in Information Technology

By

Aishwarya. R

38120008



DEPARTMENT OF INFORMATION TECHNOLOGY

SCHOOL OF COMPUTING

SATHYABAMA INSTITUTE OF SCIENCE AND

TECHNOLOGY

JEPPIAAR NAGAR, RAJIV GANDHI SALAI,

CHENNAI – 600119. TAMILNADU

OCTOBER 2020-DECEMBER 2020



SATHYABAMA

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(DEEMED TO BE UNIVERSITY)

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SCHOOL OF COMPUTING

BONAFIDE CERTIFICATE

This is to certify that this Project Report is the Bonafide work of who carried out the project entitled
“ **FEASABILITY AND EFFECTIVENESS ON INVENTORY MANAGEMENT USING PHP**” under our
supervision from OCTOBER 2020 to JAN 2021.

Internal Guide

DR.G.MATHIVANAN

Head of the Department

Dr. R. Subhashini M.E., Ph.D.,

Submitted for Viva voce Examination held on _____

Internal Examiner

External Examiner

DECLARATION

I hereby declare that the Project Report entitled **FEASABILITY AND EFFECTIVENESS ON INVENTORY MANAGEMENT USING PHP** done by me under the guidance of **Dr. G. Mathivanan** at Sathyabama Institute of Science and Technology (Deemed to be University), Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600119 is submitted in partial fulfillment of the requirements for the award of Bachelor of Technology degree in Information Technology.

DATE: 11/10/2020

PLACE: Chennai

SIGNATURE OF THE CANDIDATE

ACKNOWLEDGEMENT

I am pleased to acknowledge our sincere thanks to Board of management of **SATHYABAMA** for their kind encouragement in doing this project and for completing it successfully. I am grateful to them.

I convey our thanks to **Dr. T. SASIKALA M.E., Ph.D., Dean, School of Computing** and **Dr. R. SUBHASHINI M.E., Ph.D., Head of the Department, Department of Information Technology** for providing us the necessary support and details at the right time during the progressive reviews.

I would like to express our sincere and deep sense of gratitude to our Project **DR G.MATHIVANAN** for her valuable guidance, suggestions and constant encouragement paved way for the successful completion of my project work.

I wish to express our thanks to all Teaching and Non-teaching staff members of the Department of **INFORMATION TECHNOLOGY** who were helpful in many ways for the completion of the project.

TRAINING CERTIFICATE



ISO 9001:2015 CERTIFIED

CERTIFICATE OF MERIT

This is to certify that AISHWARYA .R (Reg No. 38120008) has successfully completed the internship in PYTHON Application Development in our concern from 21-12-19 to 25-12-19.

During the internship period, the performance of the intern was found to be GOOD.

M. Rthij



Program Coordinator

HR Head

ABSTRACT

FEASABILITY AND EFFECTIVENESS ON INVENTORY MANAGEMENT USING PHP

All around the world, inventory managers are faced with the complexities of simultaneously striving to retain constant manufacturing operation, render quality and adequate services to customer and keep goods at optimum level as well as having proper inventory management policy in place. As company grows a number of problems also arises first, a variety of item are needed to be maintained in the inventory making it difficult to for managers to keep track, therefore a formal record keeping will have to evolve, besides that as quantities in inventory grows more space is required to do business. Due to local and global competition any company that must survive in the competitive world must take an advantage of effective management of its inventory seriously therefore the use of intelligent approach for effective and efficient inventory management system has become indispensable. My Structured Query Language (MySQL), Database Management System, Hypertext Markup Language (HTML), JavaScript, Hypertext Preprocessor (PHP) and Xampp (Apache). The work optimized the performance of inventory management integrating multiple systems and providing an efficient coordination and monitoring moving away from single store into distributed system relating real time status of supplies at the different stores.

Keywords: Intelligence, Inventory Management, Fuzzy Logic, Information Extraction, Client -Server, MySQL, PHP.

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LIST OF ABBREVIATION

ACCRONYM

HTML

SQL

PHP

ABBREVIATION

Hyper Text Marcque Language

Structured Query Language

Hypertext Preprocessor

CHAPTER 1

INTRODUCTION

1.1 GENERAL

The control and maintenance of inventory is a problem experienced virtually by all business sectors. Inventories management is crucial for the sustainability and growth of any organization. Disregarding the necessity of inventory in any organization can lead to its shutting down, especially if the variables of productivity are poorly managed in progression to meet customers' need or desires. Inventory problem encompasses having adequate items available when desired by the customers and the stock of items must be in good condition, meaning that stock should not be too much or too little also, companies be positioned to meet customers' demands in term of quantity and quality. Considering improvement in customer satisfaction, the proficient management of inventories has become significant, because excess or shortage of inventories has remote effects on the supply chain cost therefore the need for inventory management has been articulated, it is observed that on one hand the need for sales and inventory management is growing while on the other the possibilities of artificial intelligence and software development being the fundamental part of inventory are also progressing.

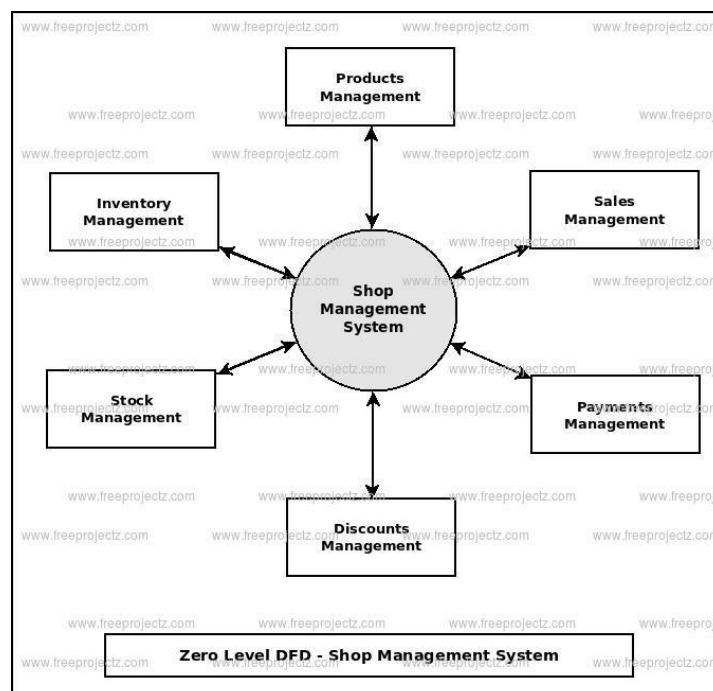


FIG 1.0 SHOP MANAGEMENT SYSTEM

CHAPTER 2

AIM AND SCOPE

2.1 AIM OF INVENTORY SYSTEM

A major challenge is to ascertain the potential synergy between the International business trend and artificial intelligence trend, the problem of an organization and the retailers can be taken as paradigm for instance, in order to sell an item, the retailer or manufacturer must sustain a stock of that item to meet the demand for it. Due to challenges that are associated with traditional inventories which range from theft, floods, loses in profit and frauds, it is difficult to maintain perfect inventory record thereby causing discrepancies in records.

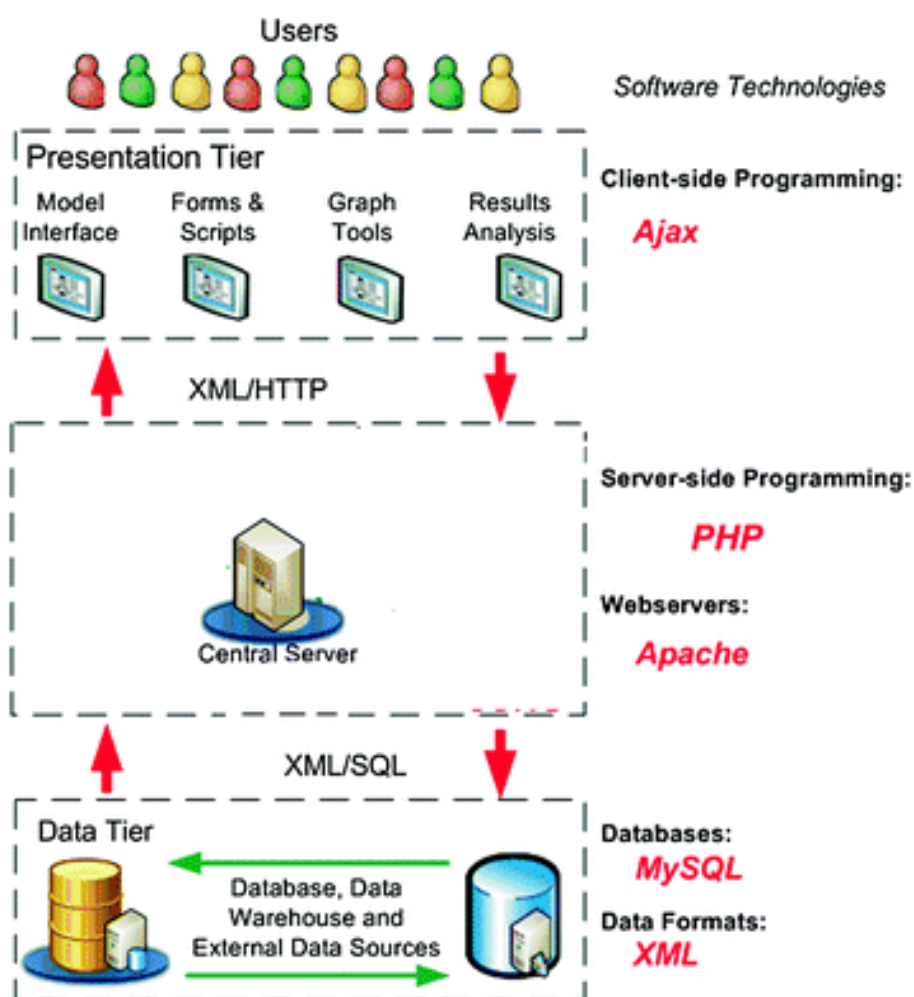


FIG 2.0 FLOW DIAGRAM OF INVENTORY MANAGEMENT USING PHP

Although inventories over decades have which moved from manual systems to automated system, the efficiency and effectiveness of the system in cases where more than one store exist cannot be guaranteed, therefore there is a need to provide coordination and monitoring of all these stores in an intelligent manner that will increase productivity. The focus of this paper is to develop an intelligent inventory management system to coordinate stores of an organization, this is implemented in a web – based environment.

2.2 SCOPE OF INVENTORY MANAGEMENT

A method comprising determining an inventory exception inference associated with a product, determining an inventory inspection directive for the product based, at least in part, on the inventory exception inference, receiving the inspected inventory state data based, at least in part, on the inventory inspection directive, and determining that an actual inventory exception exists for the product based, at least in part, on the inspected inventory state data is disclosed.

A product management display system for merchandising both wide and narrow product includes a unique pusher mechanism having an extendable pusher face. The pusher mechanism is mounted to a track on a base that is, in turn, mounted to a store shelf. The pusher face is transversely extendable relative the track and is extendable from a retracted position to one of several extended positions.

The extended pusher face locates the product pushing surface behind the approximate centre of the wider product, thereby greatly enhancing the pushing leverage on the product.

CHAPTER 3

SYSTEM ANALYSIS

3.1 SYSTEM REQUIREMENTS

Inventory Management System project developed by procedural php, MySQL, bootstrap, and jquery. This application is based on web application and develop with procedural php, MySQL database, jquery, datatables plugins, and bootstrap. This application provides the users to manage brands, category, product, orders, and report. This system provides best inventory managemnet software features. This system can be also used for small business. It is free web based inventory management software.

3.2 FEATURES

- View of a total number of brands, categories, product, and orders.
- Add, update, and remove brands information.
- Add, update, and remove categories information.
- Add, update, and remove product details.
- Add, update, and remove orders details.
- Print orders invoice.
- Update orders payment.
- Generate the orders report by selecting specific start and end date.
- Change Password
- Change Username

3.3 BRIEF OVERVIEW OF THE TECHNOLOGY

3.3.1 Front end: HTML, CSS, JavaScript

1. HTML: HTML is used to create and save web document. E.g. Notepad/Notepad++
2. CSS : (Cascading Style Sheets) Create attractive Layout
3. Bootstrap : responsive design mobile freindly site

4. JavaScript: it is a programming language, commonly use with web browsers.

3.3.2 Back end: PHP, MySQL

1. PHP: Hypertext Preprocessor (PHP) is a technology that allows software developers to create dynamically generated web pages, in HTML, XML, or other document types, as per client request. PHP is open source software.
2. MySQL: MySql is a database, widely used for accessing querying, updating, and managing data in databases.

3.4 SOFTWARE REQUIREMENT(ANY ONE)

1. WAMP Server
2. XAMPP Server
3. MAMP Server
4. LAMP Server

3.5 INSTALLATION SETUP

- 1st Step** : Extract file
- 2nd Step** : Copy the main project folder
- 3rd Step** : Paste in xampp/htdocs/
- 4th Step** : Open a browser and go to URL “http://localhost/phpmyadmin/”
- 5th Step** : Then, click on the databases tab
- 6th Step** : Create a database naming “project” and then click on the import tab
- 7th Step** : Click on browse file and select “project.sql” file
- 8th Step** : Click on go.

CHAPTER 4

DESIGN

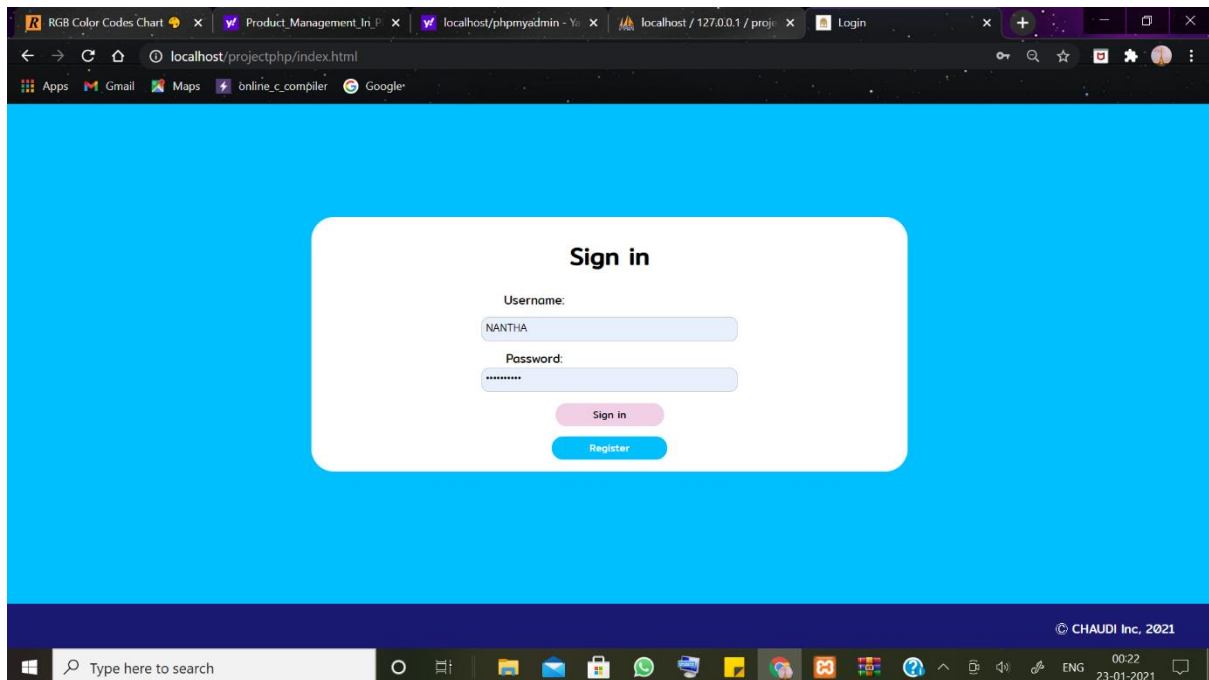


FIG 4.1 LOGIN PAGE

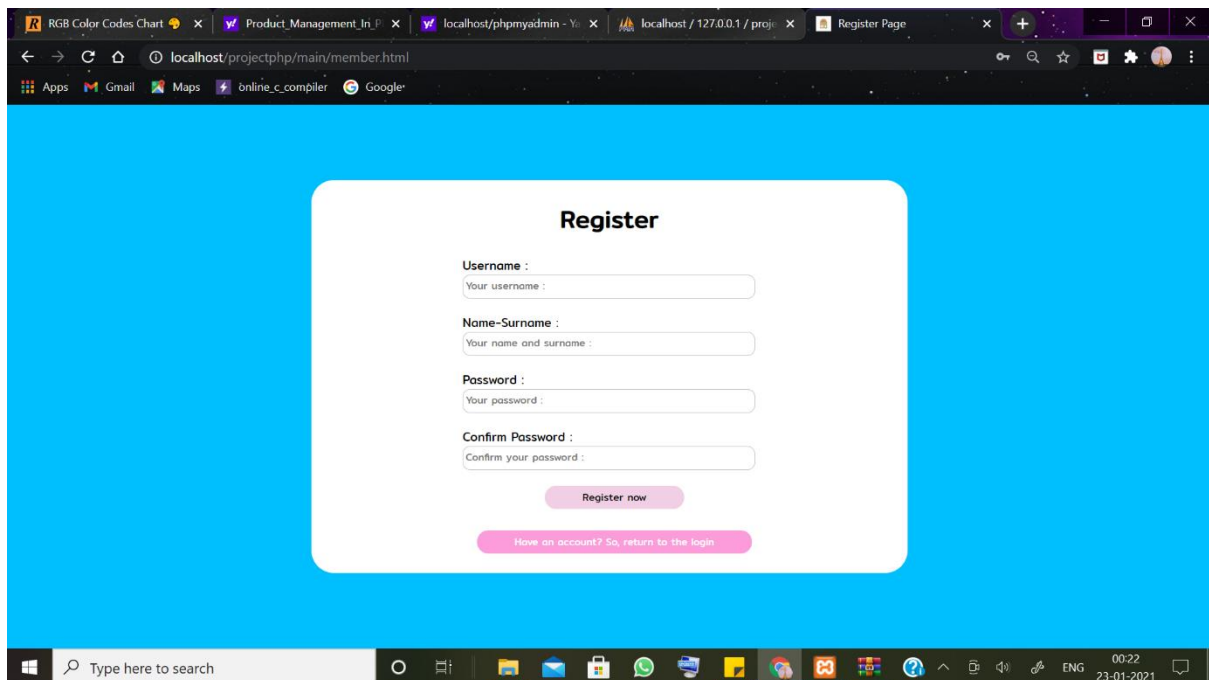


FIG 4.2 REGISTER PAGE

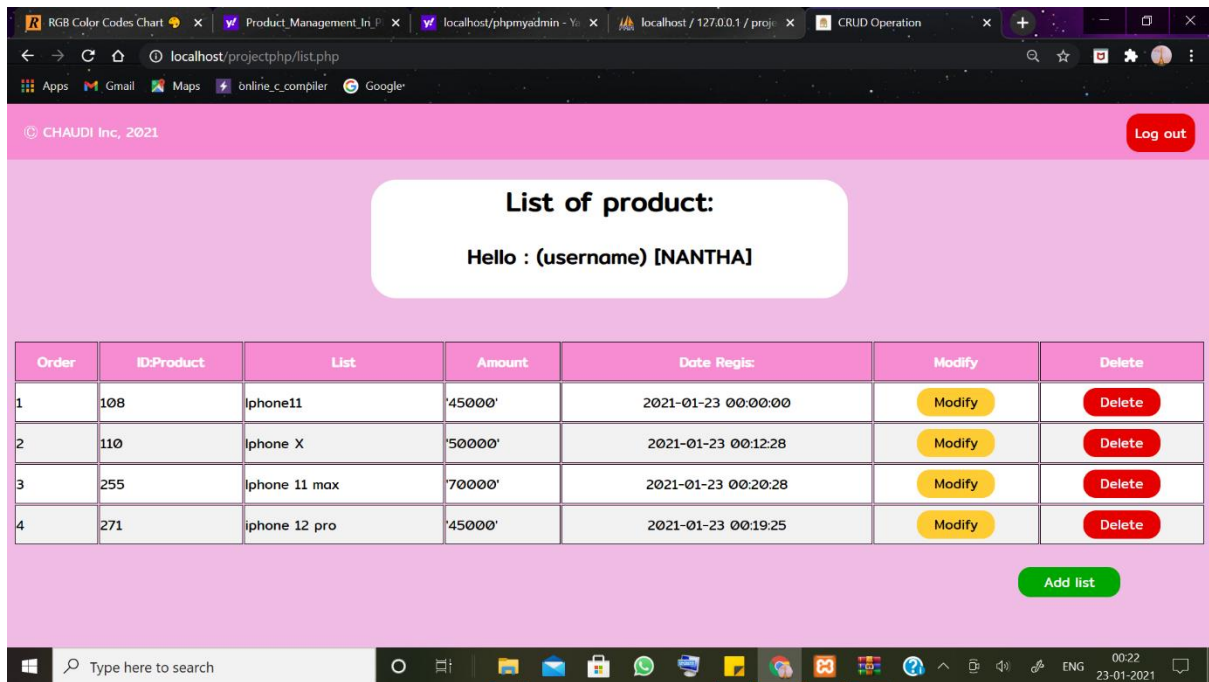


FIG 4.3 INVENTORY SYSTEM

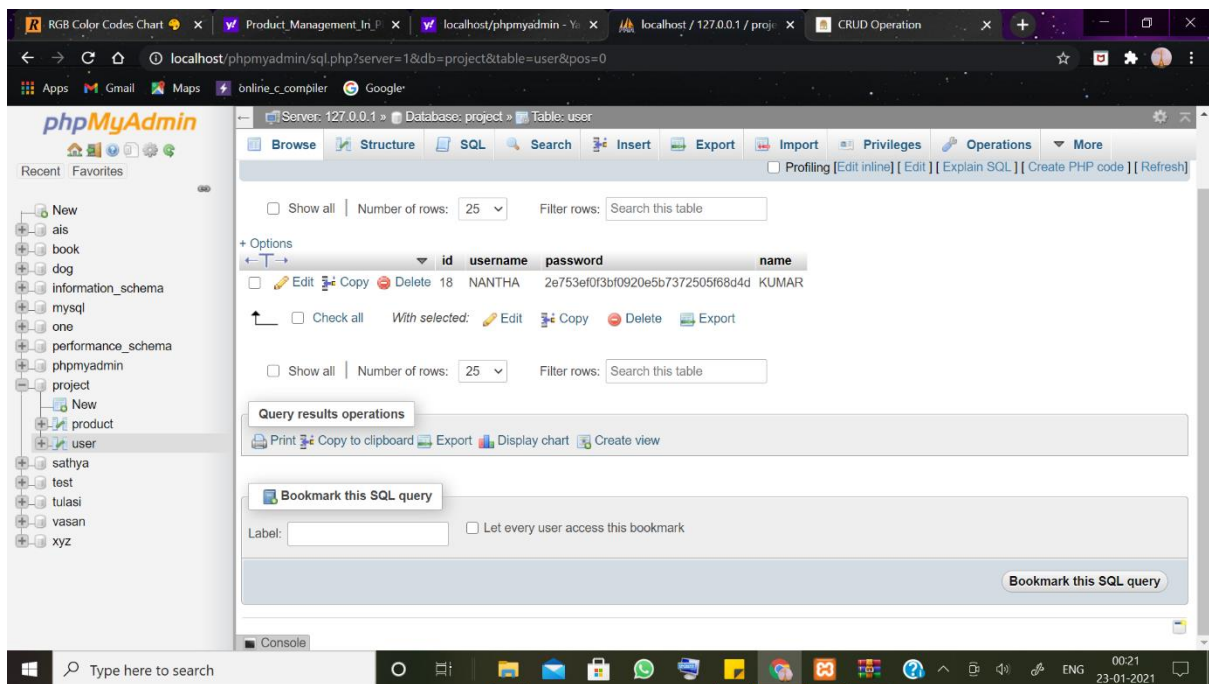


FIG 4.4 DATABASE

CHAPTER 5

SOURCE CODE

5.1 INDEX SOURCE CODE

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Login</title>
  <link rel="icon" href="dp.png">
  <link href="https://fonts.googleapis.com/css2?family=Mitr&display=swap"
rel="stylesheet">
  <style>
    body {
      background-color: rgb(0,191,255);
    }

    .content{
      width: 50%;
      margin: 0 auto;
      background-color: white;
      border-radius: 30px;
      border: transparent;
      font-family: "Mitr", sans-serif;
      text-align: center;
      margin-top: 150px;
      padding-top: 5px;
      padding-bottom: 20px;
    }
    .content label{
      margin-right: 200px;
    }
```

```
input[type="text"] {  
    font-family: "Mitr", sans-serif;  
    border: 1px solid rgb(199, 198, 198);  
    border-radius: 10px;  
    margin: 10px auto;  
    padding: 3px 150px 6px 5px;  
}
```

```
input[type="password"] {  
    font-family: "Mitr", sans-serif;  
    border: 1px solid rgb(199, 198, 198);  
    border-radius: 10px;  
    margin: 0 auto;  
    padding: 3px 150px 6px 5px;  
}
```

```
input[type="submit"] {  
    border-collapse: collapse;  
    border: transparent;  
    border-radius: 15px;  
    font-family: "Mitr", sans-serif;  
    color: black;  
    margin: 15px auto;  
    padding: 5px 50px 5px 50px;  
    background-color: #f1cfe5;  
    transition: 0.5s;  
}
```

```
input[type="submit"]:hover {  
    color: rgb(255, 255, 255);  
    background-color: rgb(0,191,255);  
}
```

```
.regis{  
    text-decoration: none;
```

```

font-size: 13px;
border-collapse: collapse;
border: transparent;
border-radius: 15px;
font-family: "Mitr", sans-serif;
color: rgb(255, 255, 255);
margin: 15px;
padding: 5px 50px 5px 50px;
background-color: rgb(0,191,255);
transition: 0.5s;
}
.regis:hover{
text-decoration: none;
color: black;
background-color: #00BFFF;
}
.footer{
position: absolute;
left: 0px;
right: 0px;
bottom: 0px;
width: 100%;
height: 50px;
color: white;
font-family: "Mitr", sans-serif;
padding-top: 5px;
padding-bottom: 5px;
background-color: rgb(25,25,112);
}
.footer p{
text-align: right;
margin-right: 50px;
position: relative;
}

```

```

</style>
</head>
<body>
  <div class = "content">
    <h1>Sign in</h1>
    <form action="login.php" method="POST">
      <label for="username">Username: </label>
      <br>
      <input type="text" name="username" placeholder="Your username :"  

required>
      <br>
      <label for="pass">Password: </label>
      <br>
      <input type="password" name="password" placeholder="Your password :"  

required>
      <br>
      <input type="submit" value="Sign in">
    </form>
    <a href="main/member.html" class="regis">Register</a>
  </div>
  <div class="footer">
    <p>© CHAUDI Inc, 2021</p>
  </div>
</body>
</html>

```

5.2 MEMBER SOURCE CODE

```

<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Register Page</title>

```

```

<link rel="icon" href="../dp.png">
<link href="https://fonts.googleapis.com/css2?family=Mitr&display=swap"
rel="stylesheet">
<style>
  body {
    font-family: "Mitr", sans-serif;
    background-color: #00BFFF;
  }

  .container {
    width: 50%;
    margin: 0 auto;
    background-color: white;
    border-radius: 30px;
    border: transparent;
    font-family: "Mitr", sans-serif;
    margin-top: 100px;
    padding-top: 5px;
    padding-bottom: 30px;
  }

  h1 {
    text-align: center;
  }

  .form-group {
    margin: 10px 200px 0px 200px;
    padding: 3px 150px 6px 1px;
  }

  input[type="text"] {
    border: 1px solid rgb(199, 198, 198);
    border-radius: 10px;
    padding: 3px 200px 6px 3px;
  }

```

```
}
```

```
input[type="password"] {  
  border: 1px solid rgb(199, 198, 198);  
  border-radius: 10px;  
  padding: 3px 200px 6px 3px;  
}
```

```
button[type="submit"] {  
  border-collapse: collapse;  
  border: transparent;  
  border-radius: 15px;  
  font-family: "Mitr", sans-serif;  
  color: black;  
  margin: 15px 0px 5px 310px;  
  padding: 5px 50px 5px 50px;  
  background-color: #f1cfe5;  
  transition: 0.5s;  
}
```

```
button[type="submit"]:hover {  
  color: rgb(255, 255, 255);  
  background-color: rgb(248, 140, 210);  
}
```

```
.returnlogin {  
  text-decoration: none;  
  font-size: 13px;  
  border-collapse: collapse;  
  border: transparent;  
  border-radius: 15px;  
  color: white;  
  margin: 15px 0px 0px 220px;  
  padding: 5px 50px 5px 50px;
```

```

    background-color: rgb(252, 156, 218);
    transition: 0.5s;
}

.form-control {
    font-family: "Mitr", sans-serif;
}

.returnlogin:hover {
    background-color: #f1cfe5;
    color: black;
}

</style>
</head>

<body>
<div class="container">
    <form action="add.php" method="post">
        <div class="section">
            <h1>Register</h1>
        </div>
        <div class="form-group">
            <label for="exampleInputEmail1">Username :</label>
            <br>
            <input type="text" class="form-control" name="username" placeholder="Your
username :" required />
        </div>
        <div class="form-group">
            <label for="exampleInputEmail1">Name-Surname :</label>
            <br>
            <input type="text" class="form-control" name="name" placeholder="Your name
and surname :" required />
        </div>
    </form>
</div>

```

```

<div class="form-group">
  <label for="exampleInputPassword1">Password :</label>
  <br>
  <input type="password" class="form-control" name="password"
placeholder="Your password : " required />
</div>
<div class="form-group">
  <label for="exampleInputPassword1">Confirm Password :</label>
  <br>
  <input type="password" class="form-control" name="cfpassword"
placeholder="Confirm your password : " required />
</div>
<div class="form-button">
  <button type="submit" class="btn btn-success">Register now</button>
</div>
</form>
<br>
<div class="form-button">
  <a name="" id="" class="returnlogin" href="../index.html" role="button">Have an
account?
    So, return to the login</a>
</div>
</div>
</form>
</div>
</body>

</html>

```

CHAPTER 6

CONCLUSION

The Online Assets Inventory Management System has been created to reduce human errors and to increase efficiency. The main focus of this paper is to lessen human efforts and enhance efficiency. The maintenance of the records is made efficient, as all the records are stored in the database, through which data can be retrieved easily. The navigation control which has been provided in all the interface allows the users to navigate through the large number of records easily. If the numbers of records are very large, then the user can type in the search field to get limited results. The Staff are assigned a unique id, so that they can be accessed correctly and easily. This paper has also been able to automate the Assets Inventory Management process, by bringing all operations to an online media, for ease of access. The problems, which existed in the manual system such as varying reports in assets spreadsheet, presence of ghost assets, and wastage of time are taken care of using this system. The automation of the Assets Inventory Management will not only improve the efficiency but will also reduce human stress thereby indirectly improving human recourses and learning process. The addition of tickets further provides for tracking and repair of assets with faults thereby eliminating the cost of purchasing new ones.

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