VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI -560010

A Mini Project report on

" LIFE INSURANCE MANAGEMENT"

Submitted in partial fulfilment of the requirements for the 5th semester DBMS lab

BACHELOR OF ENGINEERING
IN
COMPUTER SCIENCE AND ENGINEERING
By

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled "INSURANCE MANAGEMENT SYSTEM**"** has been successfully carried out by **ASHUTOSH PRAJAPATI** bearing **USN 1SP20CS006**, of V sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science and Technology** of the **Visvesvaraya Technological University, Belgaum** during the year **2023**.The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

Signature of the Guide

Mrs. SUSHMA B A

Signature of the HOD

Dr. B LOGANAYAGI

Signature of Internal Examiner

Signature of External Examiner

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ASHUTOSH PRAJAPATI

(1SP20CS006)

ABSTRACT

Our proposed project aims to build and manage a database that can be very beneficial for an insurance company.

The insurance company needs to keep track of all the details of its target companies, agents, policyholders, their premium payments and the various products they offer. In the project, we intend to use the concepts involved in handling the data acquired from insurance companies, agents, and employees using MySQL and PHP.

The database will include multiple tables which will be managed efficiently. Some functions will run which would classify the policies based on their status that whether they are active, lapsed, matured, etc. According to those classifications, different tables are created in database and according to functions, records are grouped in respective tables.

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CHAPTER 1

INTRODUCTION

Insurance Policy data management system is a Web based project which is developed for tracking the details of the insurance policy, customer details and company details. This series of web pages is an online insurance analysis and information management system that provides easy access of information regarding the people and resources of insurance. User can view their own personal details when login into the Policy Holder module. This project is useful for any kind of insurance company to manage the insurance details, to sanction the insurance for customer, process the insurance policy details and all kind of insurance process through online. The Insurance management system is a complete solution for organizations, which need to manage insurance for their vehicles, equipment, buildings, and other resources. This insurance management system can efficiently manage the company, records, provides instant access and one that improves the productivity. It will show details about insurance and its types, also it will show the details about different duration schemes to the corresponding insurance type or insurance policy. The main objective of the developed system is to allow admin users to register insured persons with their name, date of birth, residence address, medical history and also policy details.

CHAPTER 2

PROBLEM DESCRIPTION

The problem tackled in the project is to handle the policy data using database management system. This project would focus on both front-end as well as backend for systematic working.

Data input would be given from the front-end by users. The front-end would be a HTML form.

- Relation between client and his policies is a one to many relationship, but policy type to clients is a many to many relationship.
- Data would be handled at the back-end using different tables and relations using MySQL.
- A policy type contains attributes describing the type of policies like premium based on the mode, risk cover.
- There would be many other tables where records of policies taken by different clients would be present depending on its status like active, lapsed, etc.

The developed system should allow admin users to register insured persons with their name, date of birth, residence address, medical history and also policy details. After registering all the insured persons, website should provide management facilities like delete unwanted persons' data. and also should provide awareness to the visitors about micro insurance through articles.

CHAPTER 3

REQUIREMENT SPECIFICATION

3.1 HARDWARE REQUIREMENTS

Processor	**:** intel core i5
Hard Disk	**:** 20GB, 80GB or above
RAM	**:** 2GB or above
Input Device	**:** Keyboard and Mouse

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3.2 SOFTWARE REQUIREMENTS

Operating System	**:** Window 10 or above
Tool Used	**:** XAMPP
Front End	**:**HTML/CSS/BOOTSTRAP
Server Side Programming	**:** PHP
Back End	**:** MYSQL

CHAPTER 4

PROBLEM FORMULATION

4.1 EXISTING SYSTEM

In the existing Life Insurance Management System, the work is done by hand. All the details for the insurance such as cash information or age related important information was collected into the hard copy and by chance if any of the document get missed up or get harmed then whole of the information will be missed, resulted into the major loss for the user.

Also adding all the details manually will take a lot of time and also a lot more chances of entering the information wrong. And also sending details from one place to another will not be any task because in case while sending one important document from one place to another, it get lost, then also it will proved to a great loss both for the user as well as for the organization. In current system any customer who wants to buy any life insurance policy has to contact Insurance Agent or visit the company directly. It will takes lots of extra time of customer.

4.2 OBJECTIVES

The main objective of the developed system is to allow admin users to register insured persons with their name, date of birth, residence address, medical history and also policy details. The web pages provide easy links for easy navigation in the system. The developed system should allow admin users to register insured persons with their name, date of birth, residence address, medical history and also policy details. Due to dynamic nature of features, the members, admin members should be able to understand the provided facilities.

- To computerize the Insurance System.
- To reduce Data Redundancy.
- To reduce the cumbersome job of maintaining several documents.
- To eliminate the delays in report generation for insurance policies.
- To facilitate faster searching of information by insurance companies and concerned parties.

- Thus, reducing time, energy and cost.
- To give assurance to the policy holders about maintain Data Privacy and Security.

4.3 PROPOSED SYSTEM

In the proposed Life Insurance Management System, all the work will be digitalized and is done via computers and internet. All the details regarding the insurance holder and schemes will be added via computer and the information data is being saved in servers. Backup should be there in case if by chance any of the information will be lost.

Time consume will be reduced and users will get any easy way to access their insurance related information and new upcoming schemes. Users just have to click on the button and just have to wait for some moments and they get an easy access to their information.

The proposed system is for making easier to manage policy holder details, agent details, policy details, claimant details and payment details. The proposed system is designed to eliminate the drawbacks of the existing system. It is designed by keeping to eliminate the drawbacks of the present system in order to provide a permanent solution to the problems. The primary aim of the new system is to speedup transactions. This insurance management system will be developed for managing the insurance management system. The overall system is control through the main menu.

CHAPTER 5

SYSTEM ARCHITECTURE

5.1 ENTITY-RELATIONSHIP DIAGRAM

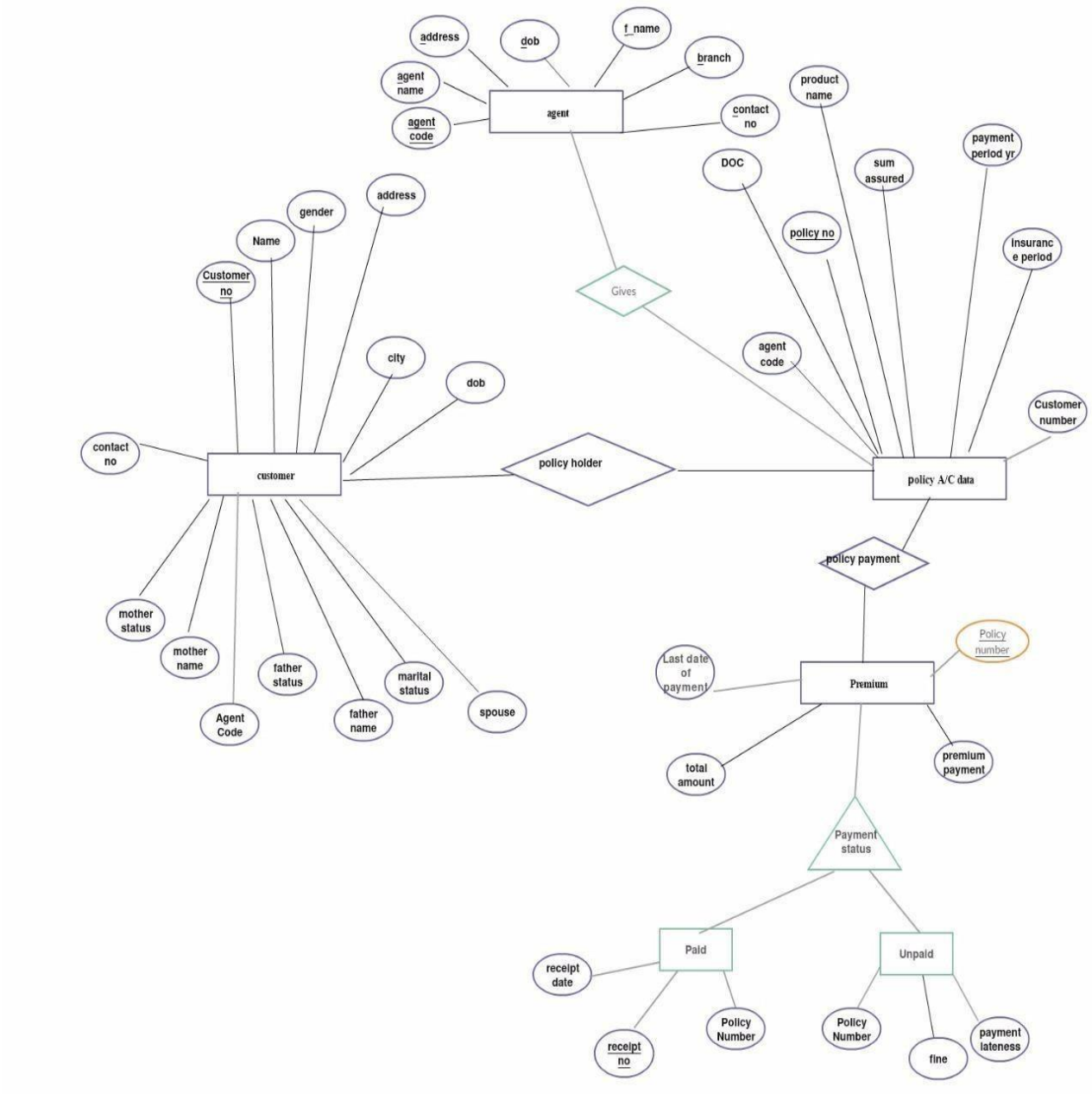

Fig. 5.1: E-R Diagram

5.2 USE-CASE DIAGRAM

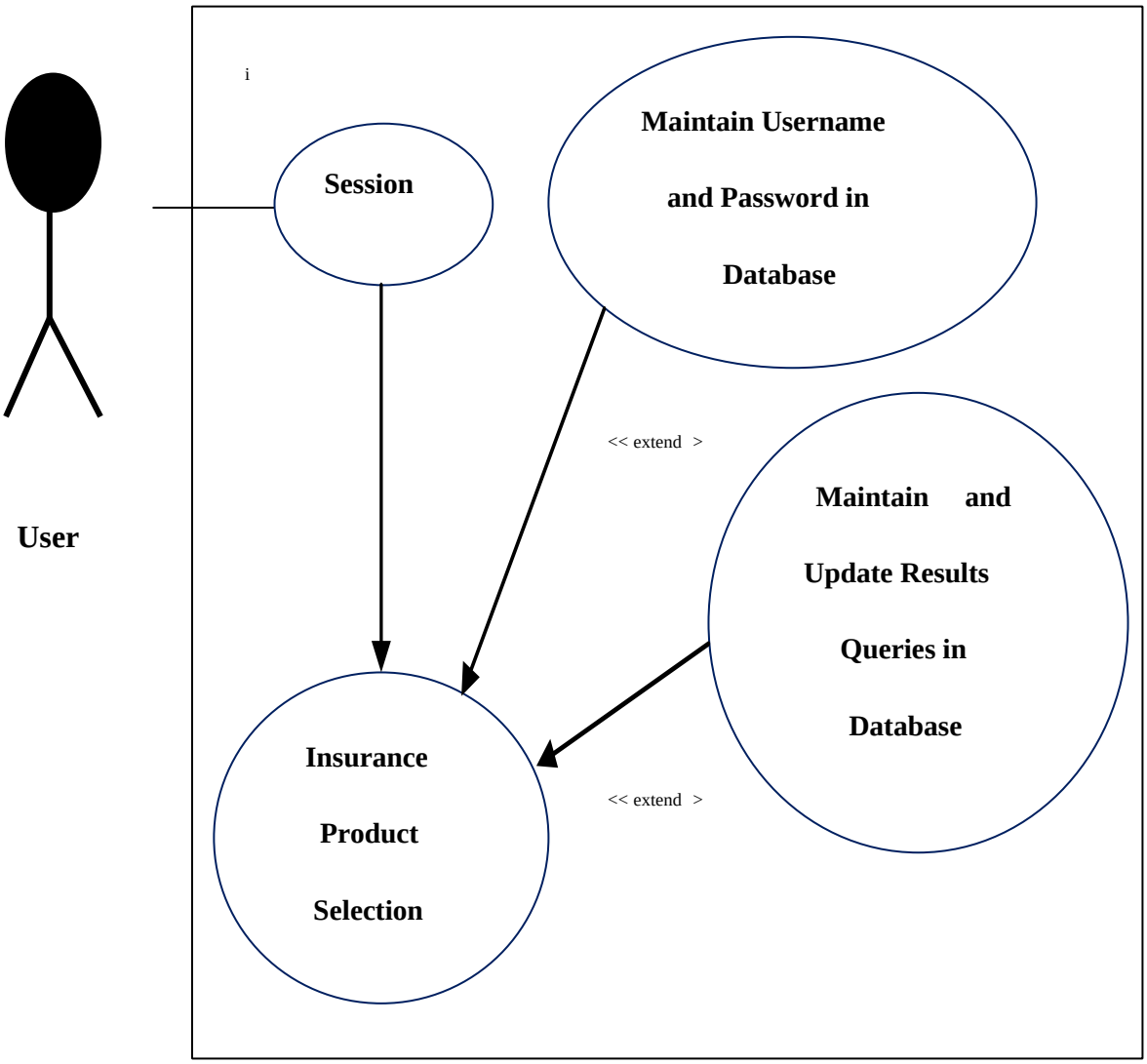

Fig. 5.2: Use-Case Diagram

5.3 SCHEMA DIAGRAM

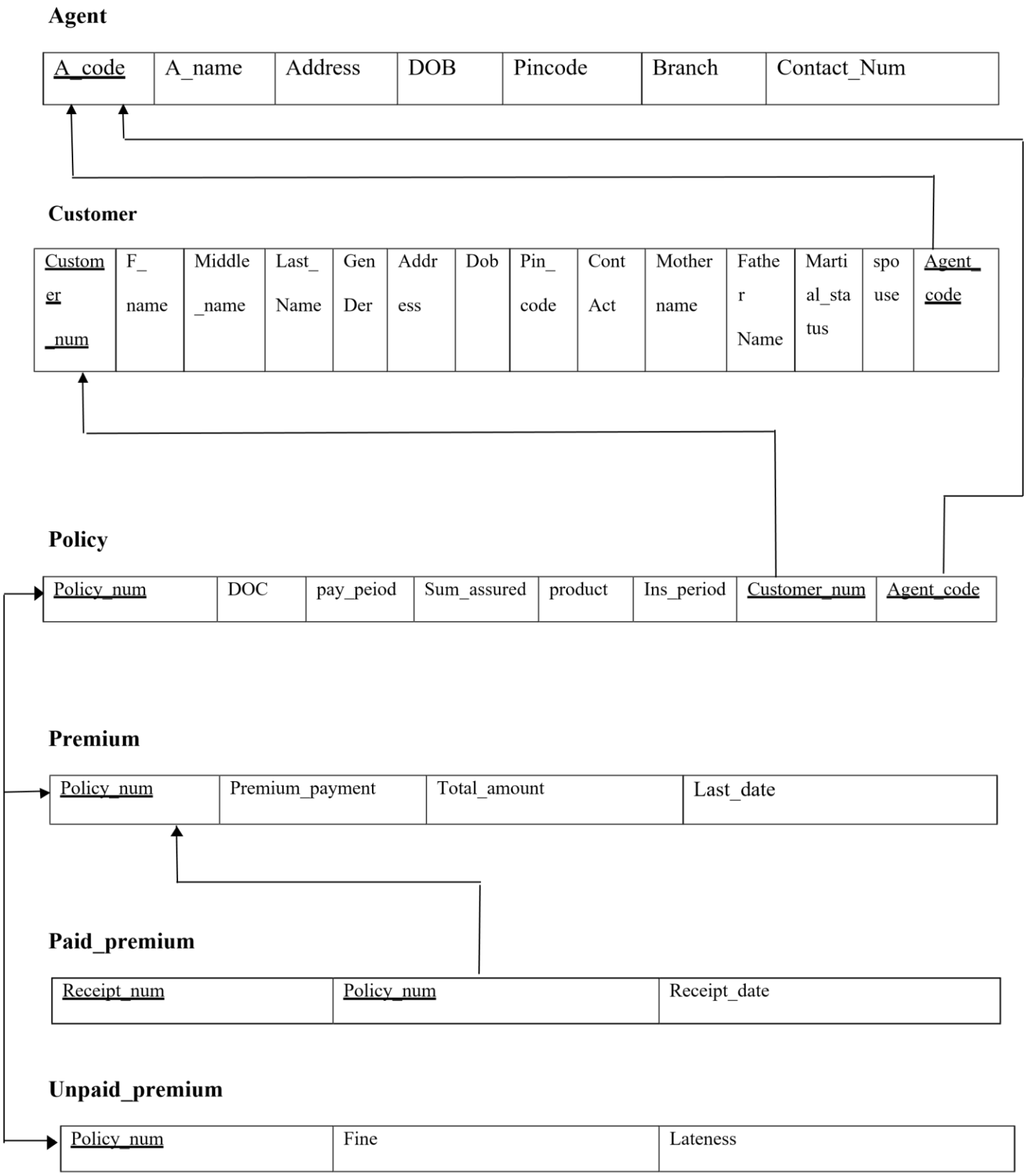

Fig. 5.3: Schema diagram

CHAPTER 6

IMPLEMENTATION

Introduction to software used

PHPMYADMIN is used for implementing HTML, CSS and tomcat Apache Server. the MYSQL server is used for the database and MYSQL workbench is used to manage the server and create the database.

6.1 PHP

PHP is a general-purpose scripting language geared toward web development. PHP code is executed in the server. It can be integrated with many databases such as Oracle, Microsoft SQL Server, MySQL, PostgreSQL, Sybase, and Informix. It is powerful to hold a content management system like WordPress and can be used to control user access. One of the main reasons behind this is that PHP can be easily embedded in HTML files and HTML codes can also be written in a PHP file.

6.2 MYSQL

MySQL is a fast, easy-to-use RDBMS being used for many small and big businesses.
MySQL is developed, marketed and supported by MySQL AB, which is a Swedish company. MYSQL is a very powerful program in its own right. It handles a large subset of the functionality of the most expensive and powerful database packages. MYSQL uses a standard form of the well-known SQL data language. MySQL works on many operating systems and with many languages including PHP, PERL, C, C++, JAVA, etc.

6.3 HTML

HTML stands for Hyper-Text Markup Language. It is used to design web pages using a markup language. HTML is the combination of Hypertext and Markup language. Hypertext defines the link between web pages. A markup language is used to define the text document within the tag which defines the structure of web pages.

6.4 CSS

CSS is abbreviated as Cascading Style Sheets and describes how HTML elements need to be displayed when represented in a web page format or other media. It also helps save a lot of work because controlling multiple web pages' layouts can be done simultaneously.

CSS is said to as the cornerstone design tool of the World Wide Web along with HTML and JavaScript. CSS is intended for enabling the separation of appearance with content, which includes layout, coloring, and font styles.

6.5 XAMPP

XAMPP is one of the widely used cross-platform web servers, which helps developers to create and test their programs on a local webserver. It was developed by the **Apache Friends**, and its native source code can be revised or modified by the audience. It consists of **Apache HTTP Server, MariaDB, and interpreter** for the different programming languages like PHP and Perl. It is available in 11 languages and supported by different platforms such as the IA-32 package of Windows & x64 package of macOS and Linux.

CHAPTER 7

SOURCE CODE

Connection.php

```
<?php
        $servername = "localhost";
        $username = "root";
        $password = "";
          $conn = mysqli_connect($servername , $username ,
$password,"test") or die("unable to connect to host");
?>
```

Index.php

```
<html>
<head>
<title>
Life Insurance
</title>
</head>
<body>
<link href = "policy/registration.css" type = "text/css" rel = "stylesheet"
/>
<link href = "style.css" type = "text/css" rel = "stylesheet" />

<nav>

<ul>
    <li><a href="agent/agent.php"> <h3>Agent
Registration</h3></a></li>
    <li><a href="client/client.php"><h3> Client
```

```
Registration</h3></a></li>
        <li><a href="policy/policy.php"><h3> Policy
Registration</h3></a></li>
        <li><a href="premium/premium.php"><h3> Premium
Registration</h3></a></li>
        <li><a href="agent/modified1.php"><h3> Agents
Data</h3></a></li>

</ul>

</nav>
<div class="title">
<h1><center>INSURANCE MANAGEMENT</center></h1>
</div>
<div class="links">
<div class="subtitle">
<h2><center>Links to Data's and registration pages</center></h2>
</div>

<ul style="position: fixed; bottom: 0; width: 100%;">
        <li><a href="client/modified1.php"><h3> Customers
Data</h3></a></li>
        <li><a href="policy/modified1.php"><h3> Policies
Data</h3></a></li>
        <li><a href="premium/modified1.php"><h3> Premiums
Data</h3></a></li>
</ul>

</div>
```

Agent.php

```
<html>
  <head>
```

```
      <title>Registration Form</title>
   </head>
   <body>
      <link href = "registration.css" type = "text/css" rel = "stylesheet" />
                  <link href = "../style.css" type = "text/css" rel = "stylesheet" />
                  <ul>
  <li style="float:right;"><a href="../index.php">Back to homepage</a></li>
                  </ul>
                  <h2>Agent</h2>
      <form name = "form1" action='modified.php' method = 'POST' enctype =
"multipart/form-data" >
         <div class = "container">
                                    <div class = "form_group">
            <label>Agent Code:</label>
            <input type = "text" name = "Agent_code" required pattern="[0-9]{3}[A-
Z a-z]{3}[0-9]{3}"/>
            </div>
            <div class = "form_group">
               <label>Name:</label>
               <input type = "text" name = "Agent_Name" value = "" required />
            </div>
            <div class = "form_group">
               <label>Date of Birth: </label><input type = "date" name = "DOB" value
= "" required />
            </div>
                                    <div class = "form_group">
               <label>Address:</label>
               <input type = "text" name = "Address" value = "" required />
            </div>
                                    <div class = "form_group">
               <label>Pincode: </label>
               <input type = "text" name = "Pincode" value = "" required />
</div>
```

```
                    <div class = "form_group">
            <label>Branch: </label>
            <input type = "text" name = "Branch" value = ""  required" />
</div>

                    <div class = "form_group">
            <label>Contact Number: </label>
            <input type = "text" name = "Contact_Number" value = ""  required
pattern="[0-9]{10}" />
          </div>
                    <div class = "form_group">
            <input type = "submit" value = "submit"/>
          </div>
                    <div class = "form_group">
            <input type = "reset" value = "reset"/>
          </div>



        </div>
      </form>
   </body>
</html>    <?php
include "../connection.php";    if(isset($_GET['id'])){
$sql = "delete from agent where Agent_code = '".$_GET['id']."'";
$result = mysqli_query($conn,$sql);   }header('Location:modified1.php');?>
<?php          include "../connection.php";
        $ac=$_POST['Agent_code'];
                $an=$_POST['Agent_Name'];
                $d=$_POST['DOB'];
                $a=$_POST['Address'];
                $p=$_POST['Pincode'];
                $con=$_POST['Contact_Number'];
```

```
                $br=$_POST['Branch'];
                  $query="insert into agent(Agent_code,Agent_name,DOB, Address,
Pincode, Branch, Contact_Num) values('$ac','$an','$d','$a',$p,'$br',$con)";
                mysqli_query($conn,$query) or die($query."Can't Connect to
Query...");
?> <?php     include
"input.php";

$sql = "select * from agent";
$result = mysqli_query($conn,$sql);
?>
<html>
   <body>
      <link href = "../style.css" type = "text/css" rel = "stylesheet" />
                <link href = "registration.css" type = "text/css" rel = "stylesheet" />
                  <table width = "100%" border = "1" cellspacing = "1" cellpadding =
"1">
         <tr>
            <td>Agent Code</td>
            <td>Agent Name</td>
            <td>DOB</td>
            <td>Address</td>
            <td>Pincode</td>
            <td>Branch</td>
                                    <td>Contact Number</td>
            <td colspan = "2">Action</td>
         </tr>
         <?php

                while($row = mysqli_fetch_object($result)){



         ?>
```

```
                    <tr>
                        <td>
                            <?php echo $row->Agent_code;?>
                        </td>
                        <td>
                            <?php echo $row->Agent_name;?>
                        </td>
                        <td>
                            <?php echo $row->DOB;?>
                        </td>
                        <td>
                            <?php echo $row->Address;?>
                        </td>
                        <td>
                            <?php echo $row->Pincode;?>
                        </td>
                        <td>
                            <?php echo $row->Branch;?>
                        </td>
                        <td>
                            <?php echo $row->Contact_Num;?>
                        </td>
                        <td> <a href="delete.php?id =
                            <?php echo $row->Agent_code;?>"
onclick="return confirm('Are You Sure')">Delete
                        </a>
                        </td>
                    </tr>
                <?php } ?>
        </table>
<?php header('Location: modified1.php')?>;
    </body>
</html>
```

Client.php

```
<html>
   <head>
      <title>Registration Form</title>
   </head>
   <body>
      <link href = "registration.css" type = "text/css" rel = "stylesheet" />
                  <link href = "../style.css" type = "text/css" rel = "stylesheet" />
                  <ul>
                        <li style="float:right;"><a href="../index.php"> Back to homepage</a></li>
                  </ul>
                  <h2>Customer</h2>
      <form name = "form1" action='modified.php' method = 'POST' enctype = "multipart/form-data" >
         <div class = "container">
            <div class = "form_group">
               <label>First Name:</label>
               <input type = "text" name = "First_Name" value = "" required />
            </div>
            <div class = "form_group">
               <label>Middle Name:</label>
               <input type = "text" name = "Middle_Name" value = "" required />
            </div>
            <div class = "form_group">
               <label>Last Name:</label>
               <input type = "text" name = "Last_Name" value = "" required />
</div>
                                    <div class = "form_group">
               <label>Gender: </label><input type = "radio" name = "Gender" value = "M" required />Male<input type = "radio" name = "Gender" value = "F" required />Female
            </div>
```

```
                    <div class = "form_group">
        <label>Date of Birth: </label><input type = "date" name = "DOB" value
= "" required />
        </div>
                    <div class = "form_group">
        <label>Address:</label>
        <input type = "text" name = "Address" value = "" required />
</div>

                    <div class = "form_group">
        <label>Pincode: </label>
        <input type = "text" name = "Pincode" value = ""  required />
</div>
                    <div class = "form_group">
        <label>Contact Number: </label>
        <input type = "text" name = "Contact_Number" value = ""  required
pattern="[0-9]{10}" />
        </div>
                    <div class = "form_group">
        <label>Mother Name: </label>
        <input type = "text" name = "Mother_Name" value = ""  required />
</div>
                    <div class = "form_group">
        <label>Mother Status: </label>
        <input type = "radio" name = "Mother_Status" value = "A" required
/>Alive  <input type = "radio" name = "Mother_Status" value = "D" required />Dead
        </div>
                    <div class = "form_group">
        <label>Father Name: </label>
        <input type = "textbox" name = "Father_Name" value = ""  required />
</div>
                    <div class = "form_group">
        <label>Father Status: </label>
```

```
<input type = "radio" name = "Father_Status" value = "A" required />Alive <input type = "radio" name = "Father_Status" value = "D" required/>Dead
</div>
<div class = "form_group">
<label>Marital Status: </label>
<input type = "radio" name = "Marital_Status" value = "S" required />Single <input type = "radio" name = "Marital_Status" value = "M" required/>Married
</div>
<div class = "form_group">
<label>Spouse Name: </label>
<input type = "textbox" name = "Spouse" value = "" />
</div>
<div class = "form_group">
<input type = "submit" value = "submit"/>
</div>
<div class = "form_group">
<input type = "reset" value = "reset"/>
</div> </div> </form> </body> </html>
```

CHAPTER 8

SCREENSHOTS

Home Page

This page consists of links reaching all the other pages for registration and showing the data stored of agents, customers, their policies and their premiums.

Fig. 8.1: Home Page

Agent Registration Form

This page is the form for entering the data of Agents employed in the company. The data is inserted into agent table.

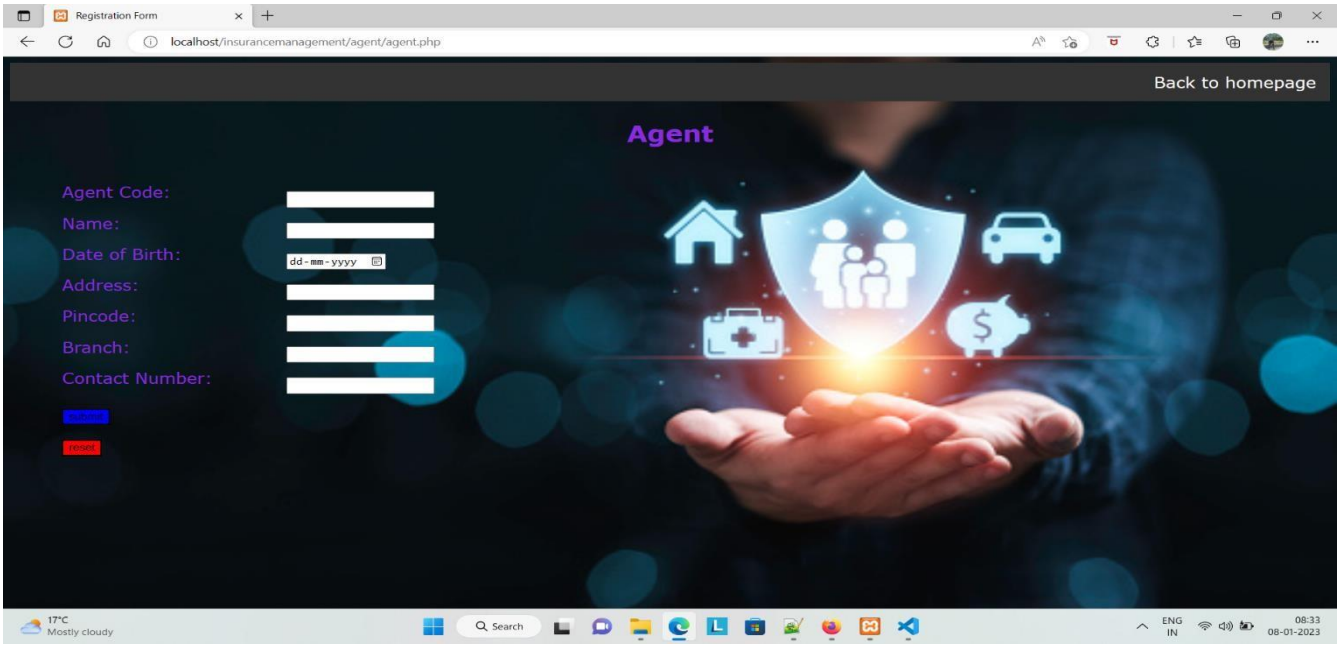

Fig. 8.2: Agent Registration form

Policy Registration

This form inserts the data of policies taken by customers and stores in policy_data Table.

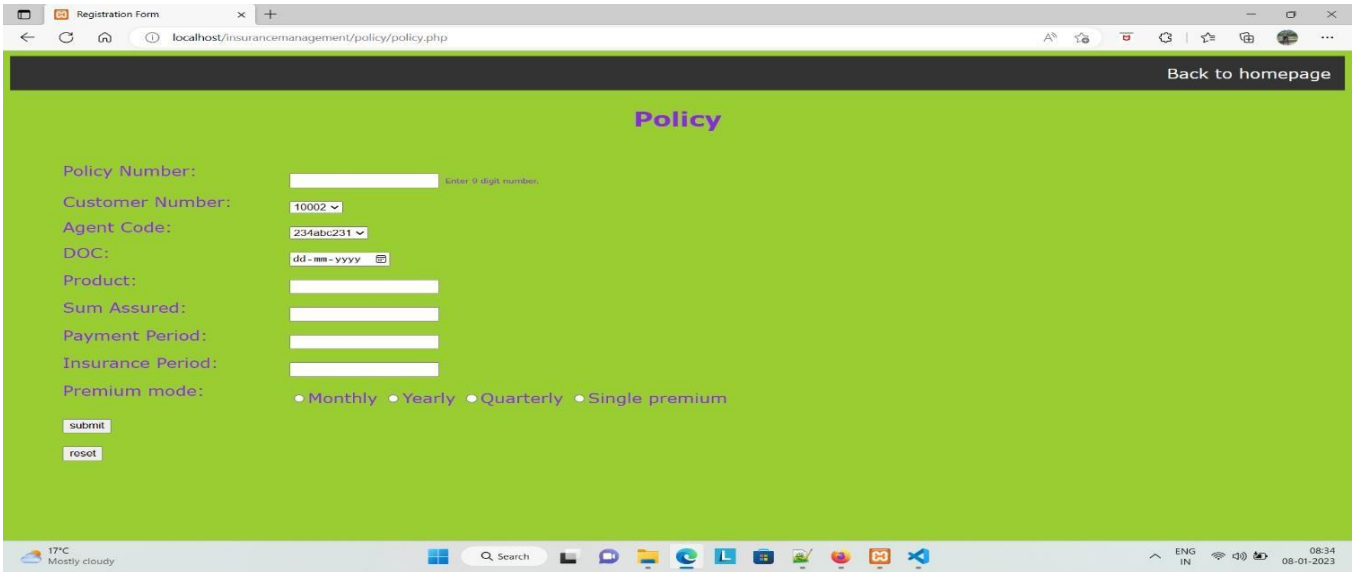

Fig. 8.3: Policy Registration

Customer Registration

This page inserts the data of customers who have taken policies in customer table.

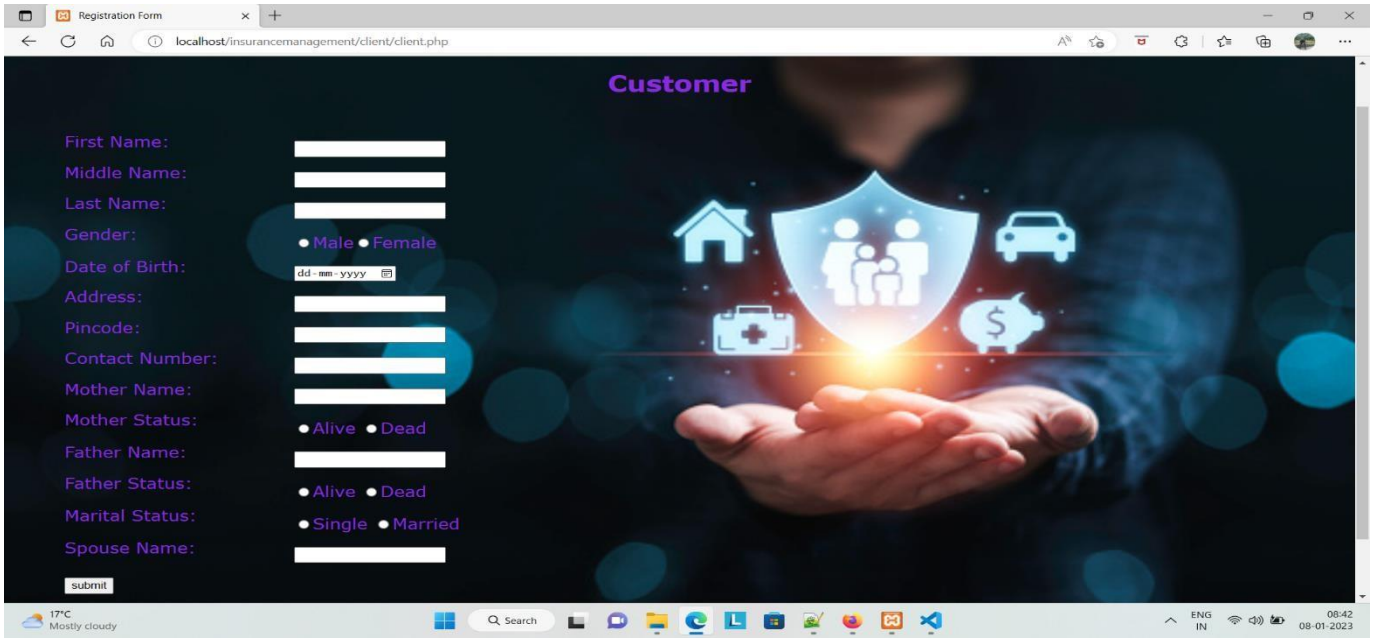

Fig. 8.4: Customer Registration

Agents Data

This page shows the data stored in the table of Agent. It shows details of every agent of company and can be deleted also

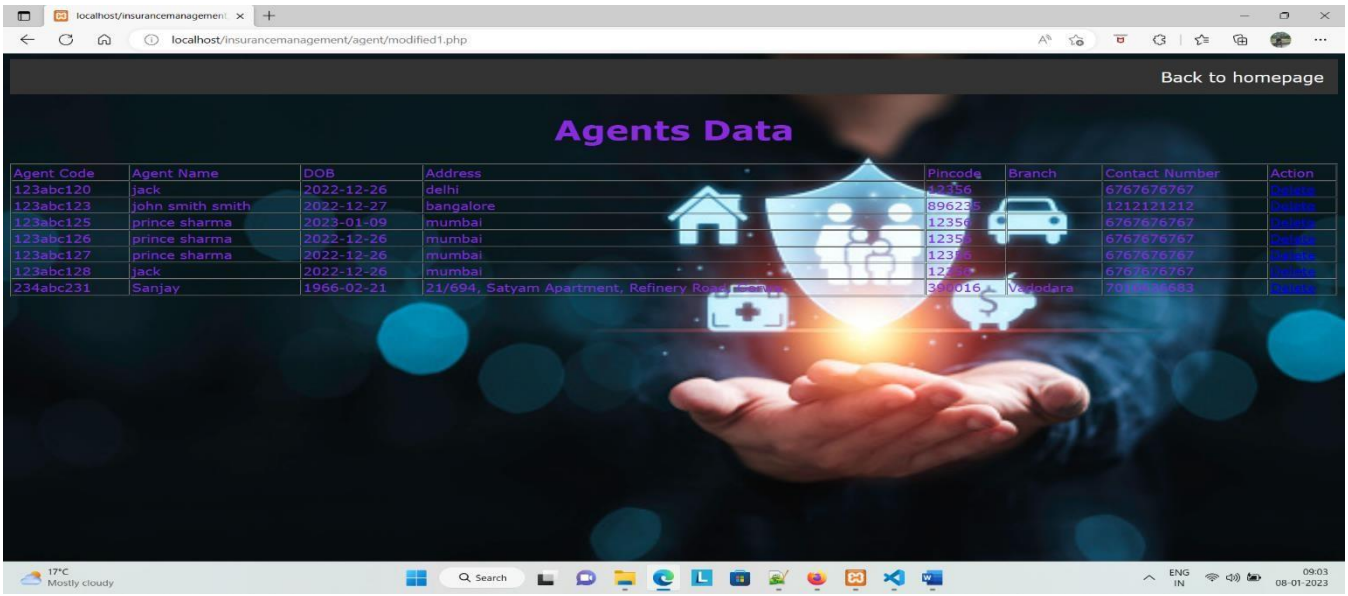

Fig. 8.5: Agents Data

Premium Details

This page shows the data stored in the table of premiums, paid_premiums and unpaid_premiums.

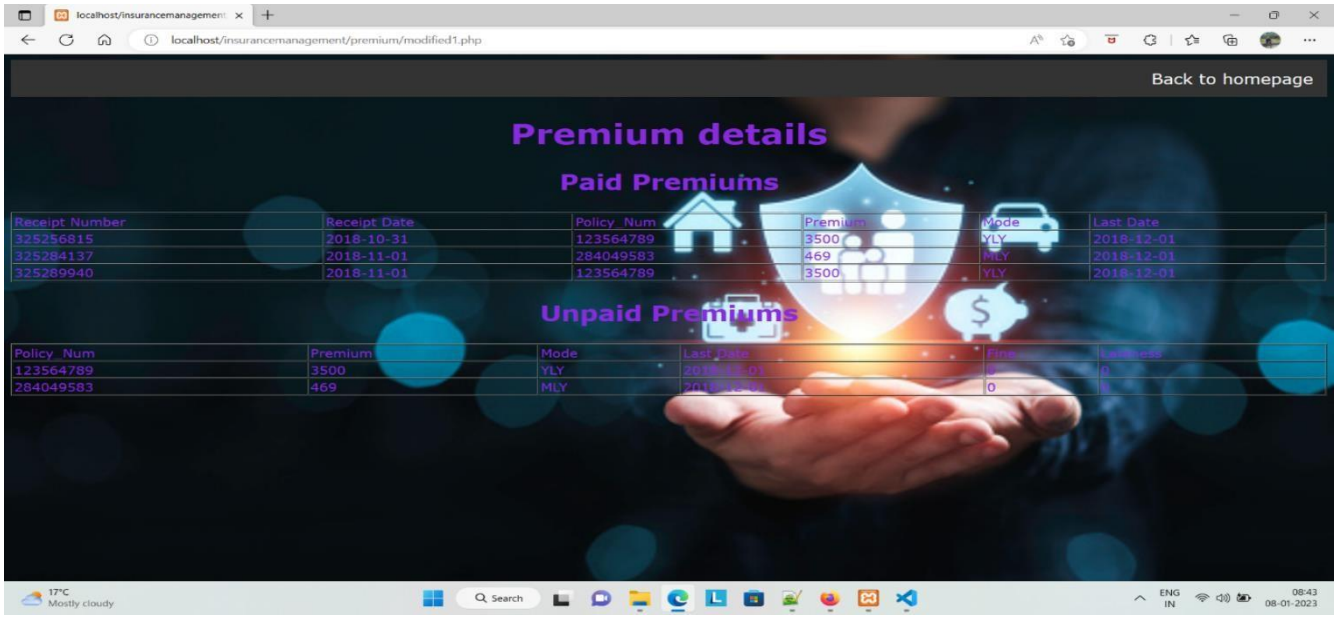

Fig. 8.6: Premium Details

Policy Data

This page shows the data stored in the table of policy_data. It shows details of all the policies and it can be deleted also.

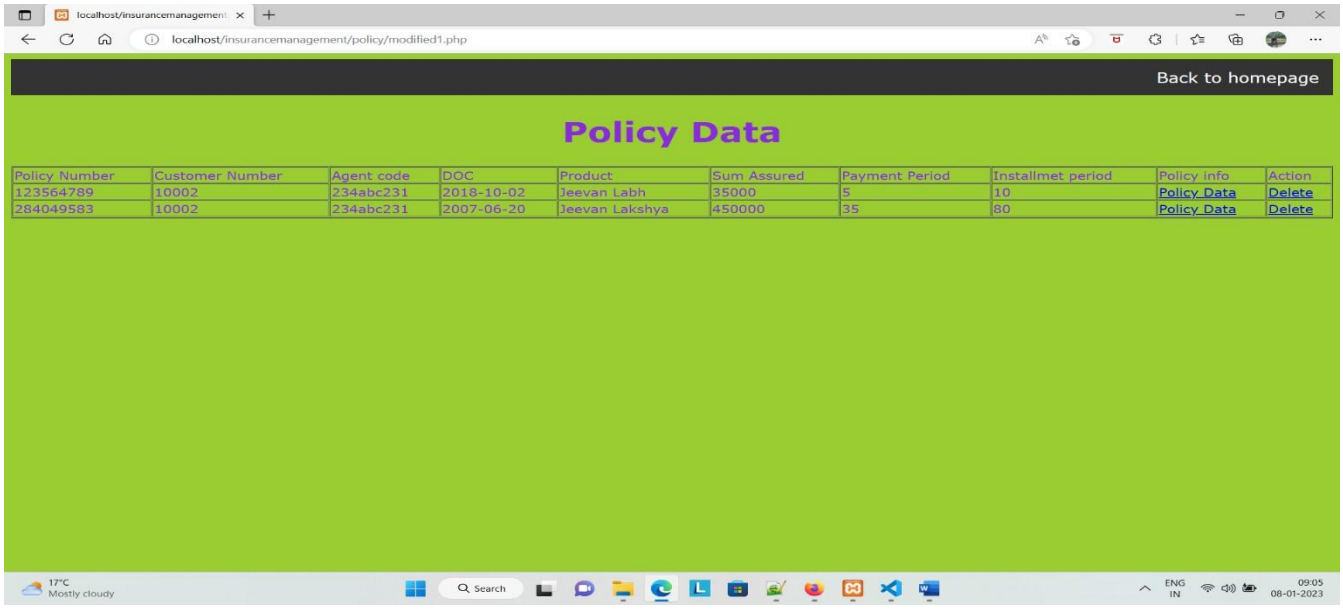

Fig. 8.7: Policy Data

CONCLUSION

Insurance is the backbone of a country's risk management system. Risk is an inherent part of our lives. The insurance providers offer a variety of products to businesses and individuals in order to provide protection from risk and to ensure financial security. In this project, we have to enhance the way the data is stored and the way we fetch the data from the database. The time required to access data has been reduced. In the existing system, unpaid and paid premiums are stored in one table, which in proposed system are in separate tables. So, whenever the admin needs to fetch the data for the paid and unpaid premiums the time required to sort and fetching data is saved.

For future of this project, we can the same thing for separating policies which are running and which are lapsed. The login for admin and customer can be created to protect the data.

REFERENCES

1. https://www.youtube.com/watch?v=rn8T1bWBXcE
2. https://www.youtube.com/watch?v=kBy-La7DXpg
3. https://www.coursehero.com/file/22258687/Insurance-Management- System-report/
4. https://www.google.com/
5. W3Schools Online Web Tutorials