

PROJECT REPORT
TECHDATA - *'Top Tech Company Collection'*

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ABSTRACT

The project titled 'TECHDATA - Top Tech Company Collection' will act as an one stop solution for collecting information on top technical companies. Usually people find it difficult to gather the right information at the right time while going through multiple websites and thereby conflicted to trust which one. Thus, 'TECHDATA - Top Tech Company Collection' will help them get out of this misery by providing precise and up-to-date information gathered directly from the authorised official websites of the particular companies.

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1. INTRODUCTION

1.1 OBJECTIVE

The objective of this project is to give precise and up-to-date information on top tech companies so that the users can get them easily. The administrator will have all the rights to upload, update and remove company details from the web application which will protect it from being mishandled by unauthorised users with wrong information.

1.2 PROJECT DESCRIPTION

The purpose of this project is to make information on tech companies easily available for the users. The visitors can view details such as company name, logo, headquarters, current CEO, stock price, number of employees, etc. This will help them get rid of all the hassles they face while collecting data from different websites which can't be assured authentic. Since all the data in here is taken from the official websites of these companies, the information given is assured to be authentic and trustworthy.

The users of this web application includes,

1. Administrator
2. Guest Users

The administrator will be the authorised person to upload, update and remove details on top tech companies. Their login is also protected by two step verification with both password and OTP.

And on logging in, they can also view their login history too.

The guest users can visit the website and can view various details on different tech companies and also a search facility is provided to search with company names.

1.3 SCOPE OF WORK

Data is now more important than ever. That is why it is of prime importance to make sure that the data is right and authentic. People always struggle with gaining the right information at the right place. While browsing on the internet it's common to come across wrong information. So instead of browsing a number of websites using one particular website where all the information is available will be time saving and effective. 'TECHDATA - Top Tech Company Collection' will act as this one stop solution where users will get authentic and up-to-date information on top tech companies in a precise tabular format.

Data is something which is multiplied rapidly and it's very important to store this data in a precise and easy to get manner. Since this website provides data directly to the users without any subscription or sign up, finding data will be easier for the users. 'TECHDATA - Top Tech Company Collection' is a highly scalable solution because it can be scaled in the future with additional features not restricted to technical companies but many more. The users can visit the website and collect information depending on their requirements even for research and project works.

2. SYSTEM ANALYSIS

2.1 EXISTING SYSTEM

In the existing system, we have to collect information from multiple websites on top Tech companies and sometimes that information may not be authentic. This will cause complications for the users like students and scholars who are preparing for exams and projects. They very much depend on various websites for information and need to do multiple searches to find the right information. So if they could find a one stop solution for their requirements, then it would make their searches more fruitful and effective.

2.2 PROPOSED SYSTEM

The proposed system is a one stop web application where users can find details on top Tech companies in a more effective and time saving manner. And for those who are looking for information on a particular company a search option is available for searching the company details with their names. Those who are trying to collect details on multiple companies can go through this website and find data directly instead of visiting multiple websites. The data provided here is authentic since it's collected directly from the official website of these companies. Only the administrator will have privileges to upload details on the website and if by any reason the data is found wrong it will be removed at the earliest as possible.

3. SOFTWARE DEVELOPMENT ENVIRONMENT

Broadly this website would be able to portrait dynamic content on a webpage as well as give the user interactive input sessions. This would require,

1. A server side scripting language that would process data on the request of the user.
2. An effective way of storing all the data which the website uses to output the results. In short a Database management System.
3. A query language to effectively retrieve ,alter and add to the stored data in our database.
4. An interface to represent the output of the scripting language in the form of html.
5. A web server which is needed to host the website and to do all the computations needed to portrait the generated data on the basis of input received from the user.

Finally, PHP is chosen as the server side scripting language with Apache as the server facilitating the processing of PHP code. Also, MySQL is the relational database management system used, while SQL is our query language.

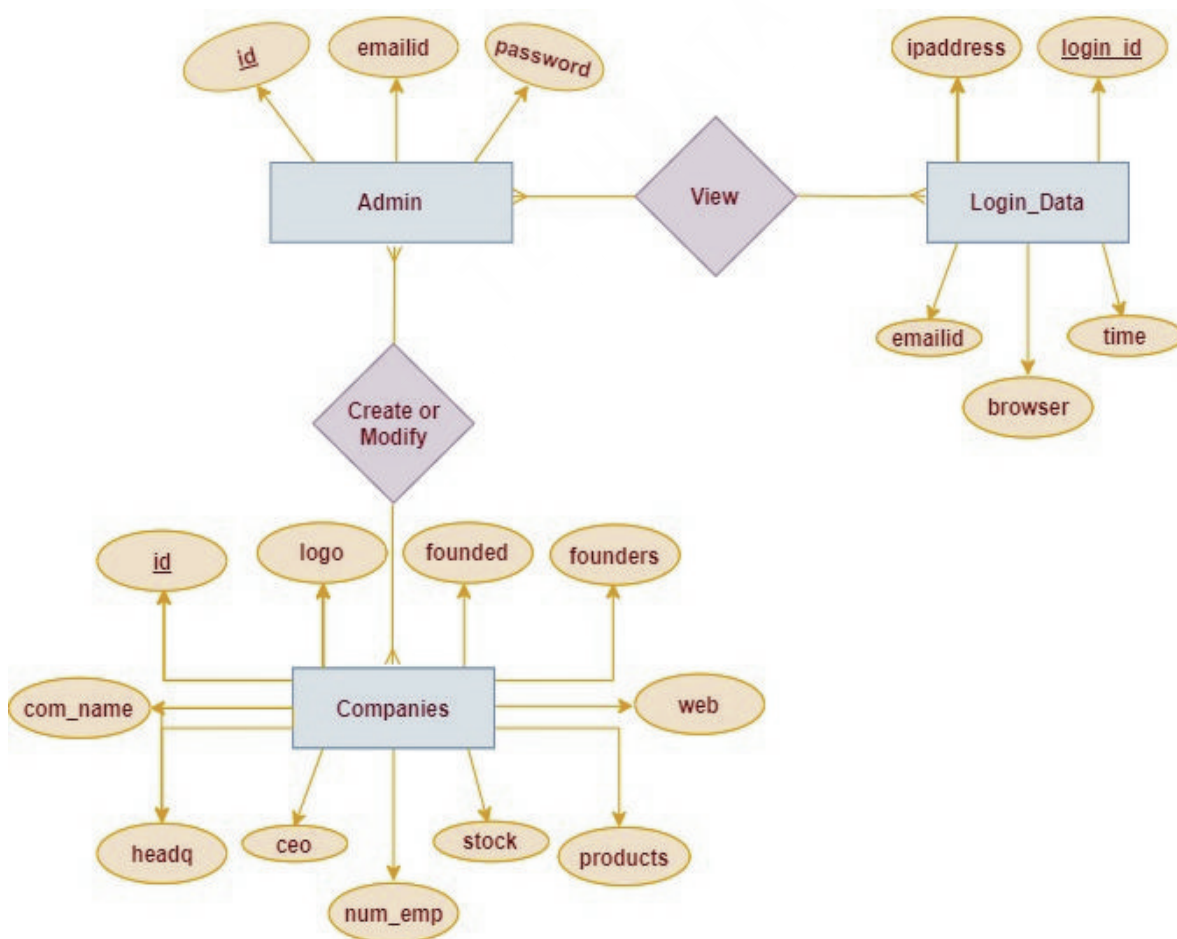
PHP became the first choice because of its platform independency and it's widespread use as a web development scripting language giving it an edge over other alternatives. Also it is an open source software and has many built in functions to facilitate common practical problems.

MYSQL became a choice as it's also a platform independent software and works very well with PHP. PHP facilitates very good communication with the MySQL database. Now the server-Apache was taken as it is an open source project and can be found easily on the internet.

4. SYSTEM DESIGN

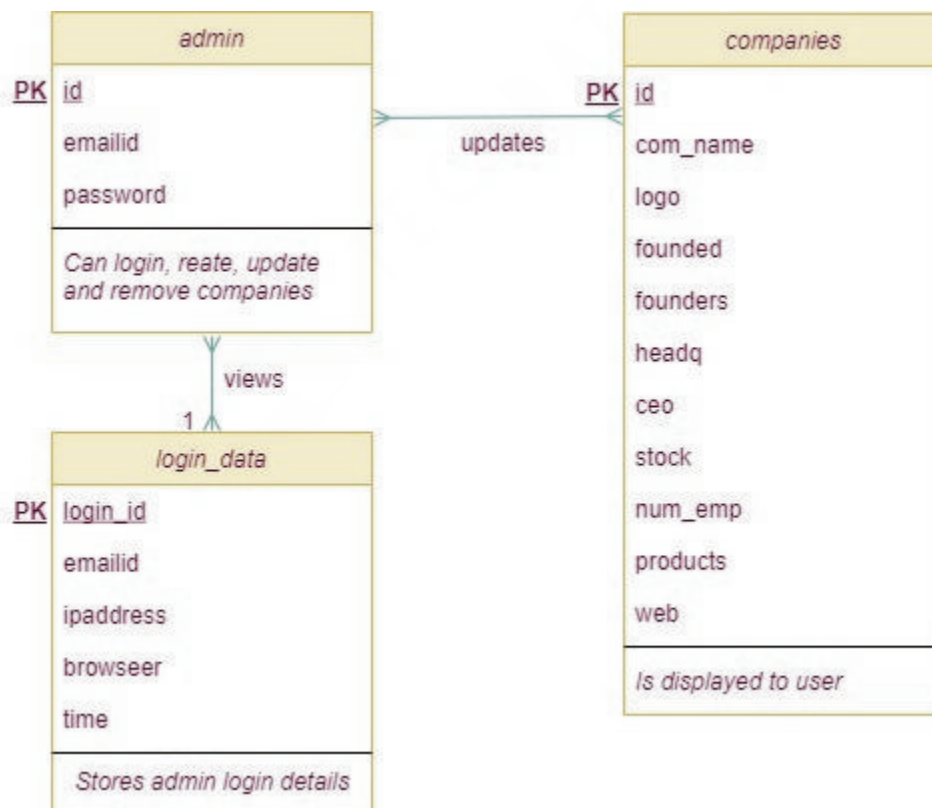
4.1 ER DIAGRAM

An Entity–relationship model (ER model) describes the structure of a database with the help of a diagram, which is known as Entity Relationship Diagram (ER Diagram). An ER model is a design or blueprint of a database that can later be implemented as a database.



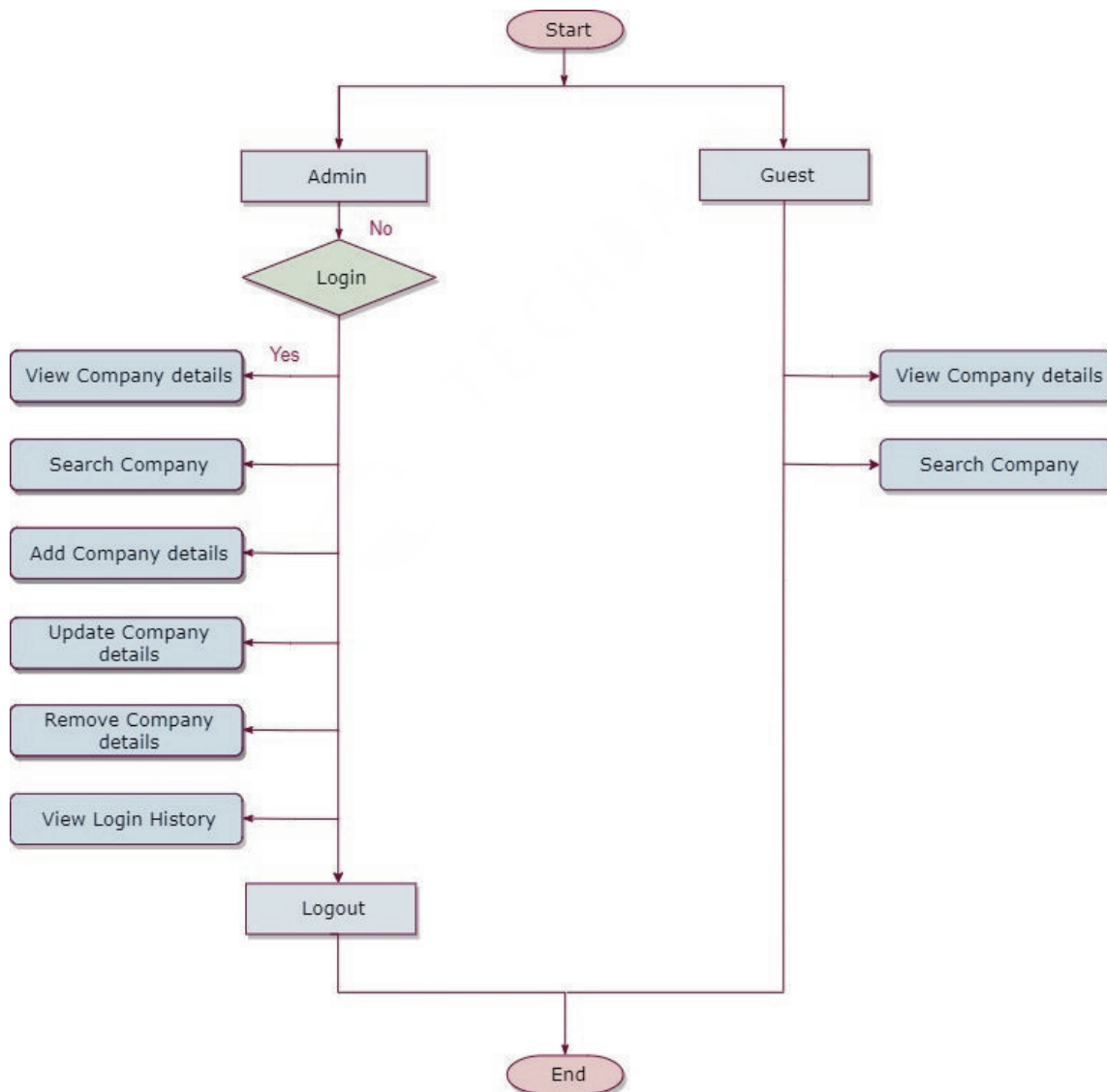
4.2 CLASS DIAGRAM

Class diagram is a static diagram and it is used to model the static view of a system. It describes the attributes and operations of a class and also the constraints imposed on the system. The class diagrams are widely used in the modeling of object oriented systems because they are the only UML diagrams, which can be mapped directly with object-oriented languages. Class diagram shows a collection of classes, interfaces, associations, collaborations, and constraints. It is also known as a structural diagram.



4.3 FLOW CHART

A Flowchart is a diagram that graphically represents the structure of the system, the flow of steps in a process, algorithm, or the sequence of steps and decisions for execution of a process or solution to a problem. It's a convenient way to observe the flow of the process from beginning to end, improve the work of the process, highlight the key elements and detach non-essential or even excessive steps.



5. SYSTEM REQUIREMENTS

5.1 SOFTWARE SPECIFICATION

Operating System	:	Windows 7 or above
Front End	:	HTML, CSS, JavaScript
Back End	:	PHP, MySQL
Code Editor	:	Notepad++, Visual Code
Software	:	XAMPP Server
Server	:	Apache Web
Browser	:	Google Chrome

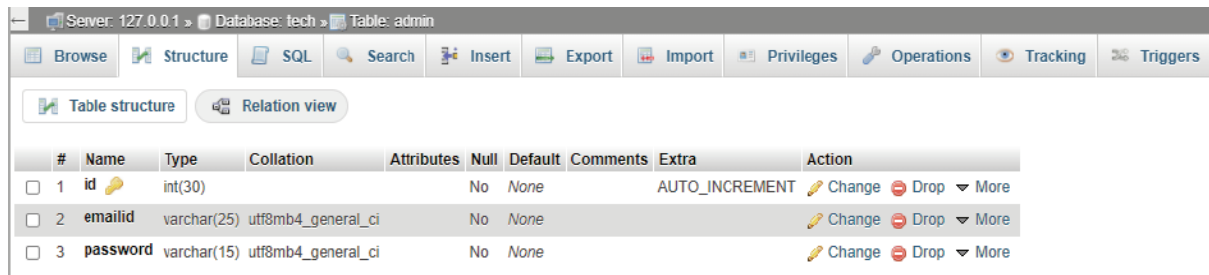
5.2 HARDWARE SPECIFICATION

RAM	:	1 GB or above
Processor	:	1 GHz or more
Hard Drive	:	32 GB or above
Network Connectivity	:	LAN or Wi-Fi

6. APPENDICES

6.1 DATABASE TABLES

1. Table - admin

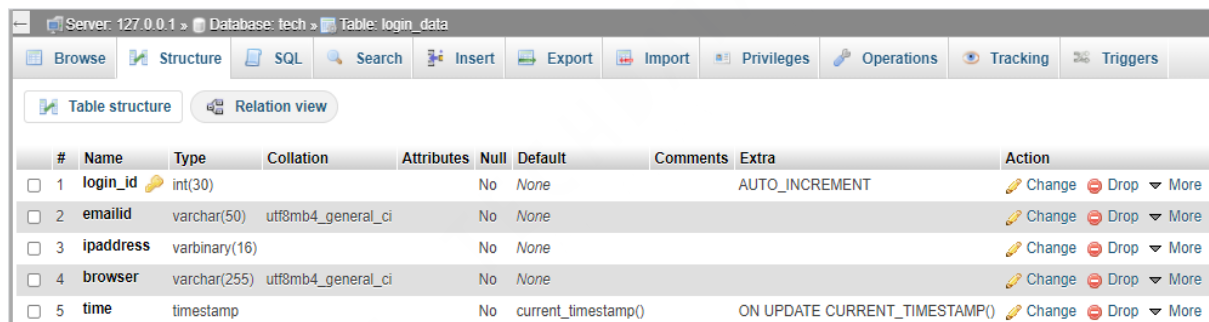


Server: 127.0.0.1 » Database: tech » Table: admin

Table structure | Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	id	int(30)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/> 2	emailid	varchar(25)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 3	password	varchar(15)	utf8mb4_general_ci		No	None			Change Drop More

2. Table - login_data

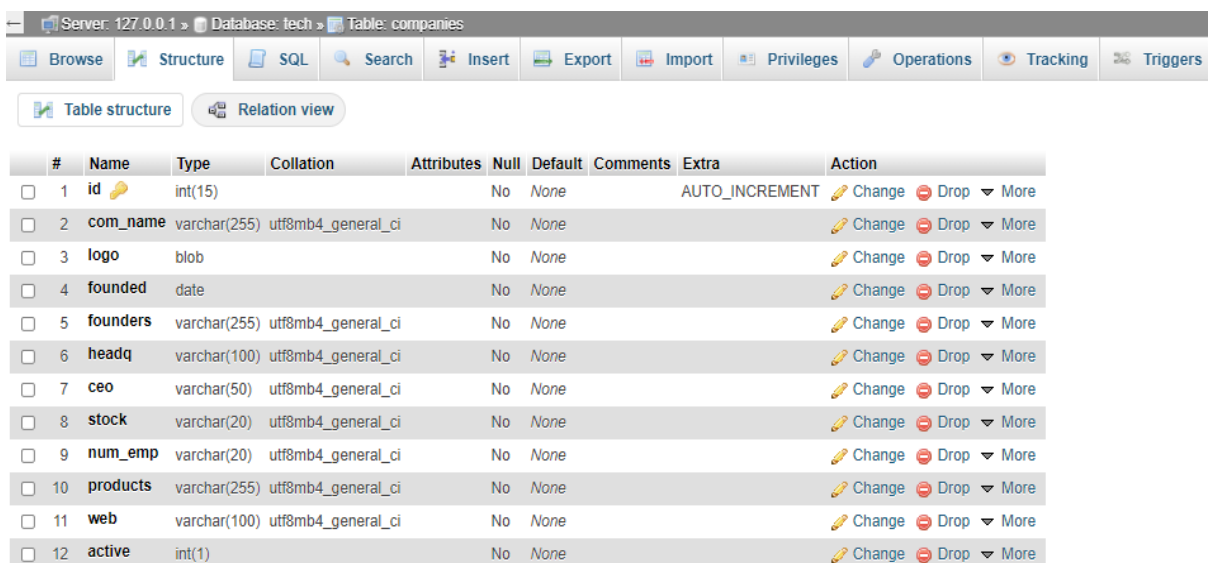


Server: 127.0.0.1 » Database: tech » Table: login_data

Table structure | Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	login_id	int(30)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/> 2	emailid	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 3	ipaddress	varbinary(16)			No	None			Change Drop More
<input type="checkbox"/> 4	browser	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 5	time	timestamp			No	current_timestamp()		ON UPDATE CURRENT_TIMESTAMP()	Change Drop More

3. Table - companies



Server: 127.0.0.1 » Database: tech » Table: companies

Table structure | Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	id	int(15)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/> 2	com_name	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 3	logo	blob			No	None			Change Drop More
<input type="checkbox"/> 4	founded	date			No	None			Change Drop More
<input type="checkbox"/> 5	founders	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 6	headq	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 7	ceo	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 8	stock	varchar(20)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 9	num_emp	varchar(20)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 10	products	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 11	web	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 12	active	int(1)			No	None			Change Drop More

6.2 SOURCE CODE

1. home.php

```
<?php
    include 'conn.php';
?>
<!DOCTYPE html>
<html>
    <head>
        <meta name="viewport" content="width=device-width,
initial-scale=1.0">
        <link href="../css/style.css" rel="stylesheet">
        <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-a
wesome.min.css">
    </head>
    <body>
        <div>
            <a id="log" href="home.php"></a>
            <a href="login.php"><button type="button" id='butt'>Admin
Login</button></a>
            <div class="box">
                <form method="post" action="search.php" class="search"
style="margin:auto;max-width:300px">
                    <input type="search" name="searchh" placeholder="Search
Companies here..." required/>
                    <button type="submit" name="search" id="search"><i class="fa
fa-search"></i></button><br/><br/>
                </form>
            </div>
            <table cellpadding="2" cellspacing="3" id="table">
                <thead>
                    <tr>
                        <th>Sl No</th>
                        <th>Company Name</th>
                        <th>Logo</th>
```

```

        <th>Founded</th>
        <th>Founders</th>
        <th>Headquarters</th>
        <th>CEO</th>
        <th>Stock Price ($)</th>
        <th>No. of Employees</th>
        <th>Products</th>
        <th>Website</th>
    </tr>
</thead>
<tbody>
<?php
    $sql = "SELECT * FROM companies where active=1";
    $result = $con->query($sql);
    if($result->num_rows > 0) {
        $i=1;
        while($row = $result->fetch_assoc()) {
            ?>
            <tr style='color:darkblue'>
                <td><?php echo $i ?></td>
                <td><?php echo $row['com_name']; ?></td>
                <td></td>
                <td><?php echo $row['founded']; ?></td>
                <td><?php echo $row['founders']; ?></td>
                <td><?php echo $row['headq']; ?></td>
                <td><?php echo $row['ceo']; ?></td>
                <td><?php echo $row['stock']; ?></td>
                <td><?php echo $row['num_emp']; ?></td>
                <td><?php echo $row['products']; ?></td>
                <td><?php echo $row['web']; ?></td></tr>
            <?php $i++;}
        }
        else {
            echo "<tr style='color:darkblue'><td
colspan='15'><center>No Data Available</center></td></tr>";
        }
    ?>
</tbody>
</table>

```

```

        <br/><br/>
        <?php mysqli_close($con); // close connection
        ?>
    </tbody>
</table>
</div>
</body>
</html>
<?php
    include('footer.php');
?>

```

2. index.php

```

<?php
include 'header.php';
?>
<!DOCTYPE html>
<html>
<head>
    <meta name="viewport" content="width=device-width,
initial-scale=1.0">
    <meta http-equiv="refresh" content="900;url=logout.php" />
    <title>Tech Collection</title>
</head>
<body>
<div>
    <div class="box_contain">
        <div class="box1">
            <form method="post" action="admin_search.php"
class="admin_search" style="margin:auto;max-width:300px">
                <input type="search" name="searchh" placeholder="Search
Companies here..." required/>
                <button type="submit" name="search" id="search"><i
class="fa fa-search"></i></button>
            </form>
        </div>
        <div class="box2">
            <a href="tech_add.php"><button type="button"
id="add_com">Add Company</button></a>

```



```

        </div>
    </div>
    <table cellspacing="2" cellpadding="3" id="table">
    <thead>
        <tr>
            <th>Sl No</th>
            <th>Company Name</th>
            <th>Logo</th>
            <th>Founded</th>
            <th>Founders</th>
            <th>Headquarters</th>
            <th>CEO</th>
            <th>Stock Price ($)</th>
            <th>No. of Employees</th>
            <th>Products</th>
            <th>Website</th>
            <th>Options</th>
        </tr>
    </thead>
    <tbody>
    <?php
        $sql = "SELECT * FROM companies WHERE active=1";
        $result = $con->query($sql);
        if($result->num_rows > 0) {
            $i=1;
            while($row = $result->fetch_assoc()) {
        ?>
        <tr style='color:darkblue'>
            <td><?php echo $i ?></td>
            <td><?php echo $row['com_name']; ?></td>
            <td></td>
            <td><?php echo $row['founded']; ?></td>
            <td><?php echo $row['founders']; ?></td>
            <td><?php echo $row['headq']; ?></td>
            <td><?php echo $row['ceo']; ?></td>
            <td><?php echo $row['stock']; ?></td>
            <td><?php echo $row['num_emp']; ?></td>
            <td><?php echo $row['products']; ?></td>
            <td><?php echo $row['web']; ?></td>

```

```

        <?php echo "<td>
            <a href='tech_edit.php?id=".$row['id']."'><i
class='fa fa-edit' style='color:darkblue'></i></a>
            <a href='tech_remove.php?id=".$row['id']."'><i
class='fa fa-trash' style='color:darkblue'></i></a>
        </td>
    </tr>" ?>
    <?php $i++;}
}
else {
    echo "<tr style='color:darkblue'><td
colspan='12'><center>No Data Avaliable</center></td></tr>";
}
?>
</tbody>
</table>
</div>
</body>
</html>
<?php
    include('footer.php');
?>

```

3. conn.php

```

<?php
    $host = "localhost";
    $user = "root";
    $password = '';
    $db_name = "tech";

    $con = mysqli_connect($host, $user, $password, $db_name);
    if(mysqli_connect_errno()) {
        die("Failed to connect with MySQL: ". mysqli_connect_error());
    }

```

?>

4.style.css

```
body{
    font-family: Arial, Helvetica,
    sans-serif;
    background-image:
url("../images/background.jpg");
    background-repeat: no-repeat;
    background-size: cover;
    margin:0;
}
#butt {
    background-color: #053896;
    border: none;
    color: white;
    padding: 15px 32px;
    text-align: center;
    text-decoration: none;
    font-size: 16px;
    border-radius: 5px;
    float: right;
    flex:2;
    margin: 30px;
    margin-top: 20px;
}
button:hover
{
    cursor: pointer;
}
.box
{
    margin-top: 40px;
    margin-left: 60%;
}
.search input[type=search] {
    padding: 10px;
    font-size: 17px;
    border: 1px solid navy;
    float: left;
    background: #ffffff;
    width:80%;
}
    float: left;
    width: 80%;
    background: #ffffff;
}

.search #search {
    float: left;
    width: 20%;
    padding: 10px;
    background: #2196F3;
    color: white;
    font-size: 17px;
    border: 1px solid navy;
    border-left: none;
    cursor: pointer;
}

.search #search:hover {
    background: #0b7dda;
}

.search::after {
    content: "";
    clear: both;
    display: table;
}
/*Admin Search*/
.admin_search input[type=search]
{
    padding: 10px;
    font-size: 17px;
    border: 1px solid navy;
    float: left;
    background: #ffffff;
    width:80%;
}
```

```

.admin_search #search {
  float: left;
  padding: 10px;
  background: #2196F3;
  color: white;
  font-size: 17px;
  border: 1px solid navy;
  border-left: none;
  cursor: pointer;
}

.admin_search #search:hover {
  background: #0b7dda;
}

.admin_search::after {
  content: "";
  clear: both;
  display: table;
}

.box_contain
{
  margin-top: 40px;
  margin-left: 60%;
}

.box1
{
  float: left;
}

.box2
{
  float: left;
}

}

#add_com
{
  background: #2196F3;
  border: none;

```

```

  color: white;
  font-weight: bold;
  padding: 12px 32px;
  text-align: center;
  text-decoration: none;
  font-size: 16px;
  border-radius: 5px;
  border: 1px solid navy;
  margin-bottom: 40px;
}

#add_com:hover{
  background: #0b7dda;
}

/*table css*/
#table {
  border-collapse: collapse;
  width: 80%;
  margin-top: 40px;
  margin-left: 10%;
  margin-bottom: 100px;
}

#table td, #table th {
  border: 1px solid #ddd;
  text-align: center;
  padding: 10px;
}

#table
tr:nth-child(odd) {background-color
: white}
#table
tr:nth-child(even) {background-colo
r: #dbf2fd;}

#table tr:hover
{background-color: transparent; }

#table th {

```

```

padding-top: 12px;
padding-bottom: 12px;
background-color: #2286c0;
color: white;
}

#footer
{
background-color: #07105e;
color:white;
text-align: center;
width: 100%;
height: 20px;
display: table;
position: fixed;
bottom:0;
}

/*login */
#log_contain
{
width: 60%;
height:450px;
margin-top: 10%;
margin-left: auto;
margin-right: auto;
background-color: #ffffff;
border-radius: 10px;
}

#left_div
{
float:left;
margin-top: 175px;
height:500px;
padding-right: 50px;
margin-left: 20px;
}

#right_div
{
padding: 100px;
}

}

#right_div h1{
font-size: 50px;
font-family: monospace;
color: #0374b6;
}

#right_div
input[type=text],input[type=password]
{
padding: 15px 20px;
margin: 8px 0;
margin-left: 15px;
border: 1px solid rgb(119, 114, 114);
border-radius: 4px;
width:40%;
}

#right_div #sub_but, #cancel{
background-color: #2fa6dd;
color: white;
padding: 14px 20px;
margin: 15px;
border: none;
border-radius: 4px;
cursor: pointer;
width:18%;
}

#right_div #sub_but:hover,
#cancel:hover {
background-color: #05206b;
}

/*tech add*/
label{
color:navy;
font-weight: bold;
font-size: 15px;
}

```

```
.details
input[type=text],input[type=date],
input[type=file] {
    padding: 12px 20px;
    margin-bottom: 10px;
    border: 1px solid #ccc;
    border-radius: 4px;
    width: 40%;
    margin-top: 10px;
}
```

```
.details input[type=submit]
,#canceladd{
    background-color: #165cdd;
    color: white;
    padding: 14px 15px;
    margin-left: 50px;
    margin-bottom: 100px;
    border: none;
    width:100px;
    border-radius: 4px;
    cursor: pointer;
}
```

```
.details input[type=submit]:hover
,#canceladd:hover{
    background-color: #0662a0;
}
```

```
#register {
    border-radius: 5px;
    padding: 20px;
    margin-left: 35%;
}
#register h1{
    color: #044fda;
    margin-bottom: 50px;
}
```

```
*,
```

```
*:before,
*:after {
    -webkit-box-sizing: border-box;
    -moz-box-sizing: border-box;
    box-sizing: border-box;
}
```

```
.log h1{
    color: #044fda;
    margin-bottom: 50px;
    text-align: center;
    font-size: 40px;
}
```

```
#search_head
{
    color: #044fda;
    margin-bottom: 50px;
    text-align: center;
    font-size: 40px;
}
```

```
#remove
{
    width: 500px;
    height:300px;
    margin-top: 10%;
    margin-left: auto;
    margin-right: auto;
    background-color: #ffffff;
    border-radius: 10px;
}
```

```
#removeh1{
    padding: 60px;
    padding-bottom: 40px;
    font-size: 20px;
    font-family: monospace;
    color: #0374b6;
    text-align: center;
}
```

```
#remove #confirm, #cancel1{
    background-color: #2fa6dd;
    color: white;
}
```

```
padding: 14px 20px;
border: none;
border-radius: 4px;
cursor: pointer;
width:30%;
margin-left: 60px;
}

#add
{
    width: 500px;
    height:250px;
    margin-top: 10%;
    margin-left: auto;
    margin-right: auto;
    background-color: #ffffff;
    border-radius: 10px;
}

#addh1{
    padding: 60px;
    padding-bottom: 40px;
    font-size: 20px;
    font-family: monospace;
    color: #0374b6;
    text-align: center;
}

#add #ok{
    background-color: #2fa6dd;
    color: white;
    padding: 14px 20px;
    border: none;
    border-radius: 4px;
    cursor: pointer;
    width:30%;
    margin-left: 180px;
}
```

6.3 SCREENSHOTS

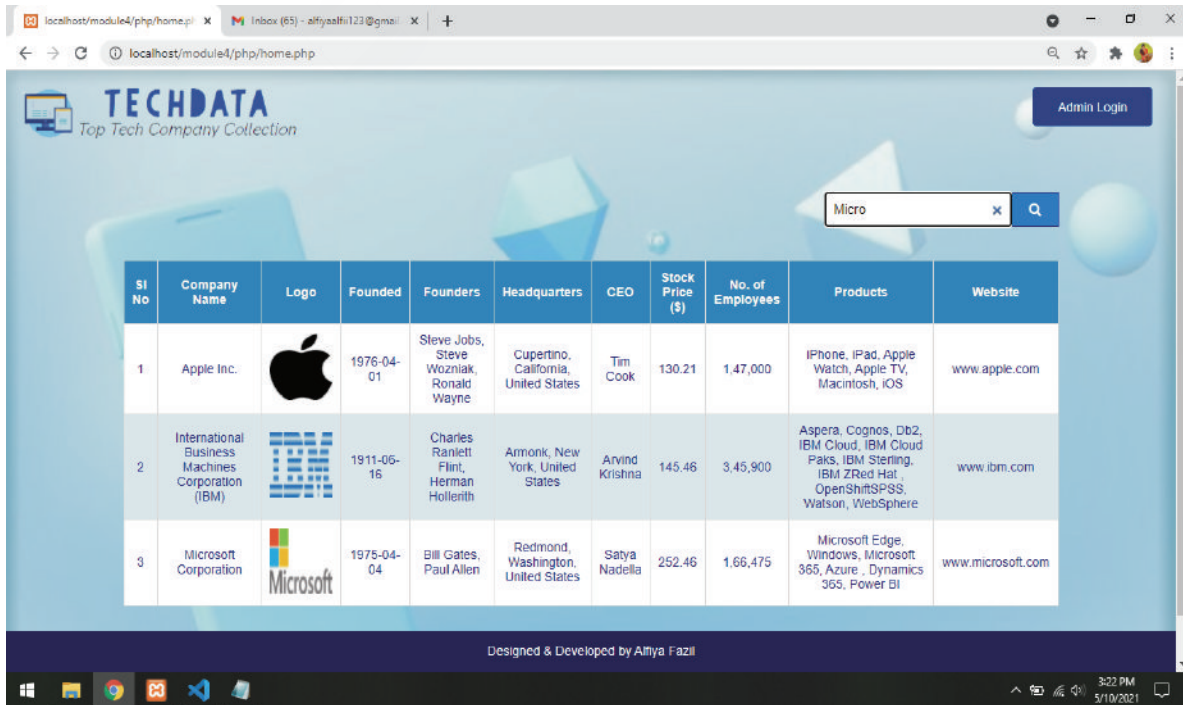
1. Homepage






The screenshot shows the homepage of a web application titled "TECHDATA Top Tech Company Collection". The page features a search bar with the placeholder text "Search Companies here...". Below the search bar is a table listing three top tech companies: Apple Inc., International Business Machines Corporation (IBM), and Microsoft Corporation. The table columns include SI No, Company Name, Logo, Founded, Founders, Headquarters, CEO, Stock Price (\$), No. of Employees, Products, and Website. The footer of the page states "Designed & Developed by Alfiya Fazil".

SI No	Company Name	Logo	Founded	Founders	Headquarters	CEO	Stock Price (\$)	No. of Employees	Products	Website
1	Apple Inc.		1976-04-01	Steve Jobs, Steve Wozniak, Ronald Wayne	Cupertino, California, United States	Tim Cook	130.21	1,47,000	iPhone, iPad, Apple Watch, Apple TV, Macintosh, iOS	www.apple.com
2	International Business Machines Corporation (IBM)		1911-06-16	Charles Ranlett Flint, Herman Hollerith	Armonk, New York, United States	Arvind Krishna	145.46	3,45,900	Aspera, Cognos, Db2, IBM Cloud, IBM Cloud Paks, IBM Sterling, IBM ZRed Hat, OpenShiftSPSS, Watson, WebSphere	www.ibm.com
3	Microsoft Corporation		1975-04-04	Bill Gates, Paul Allen	Redmond, Washington, United States	Satya Nadella	252.46	1,66,475	Microsoft Edge, Windows, Microsoft 365, Azure, Dynamics 365, Power BI	www.microsoft.com

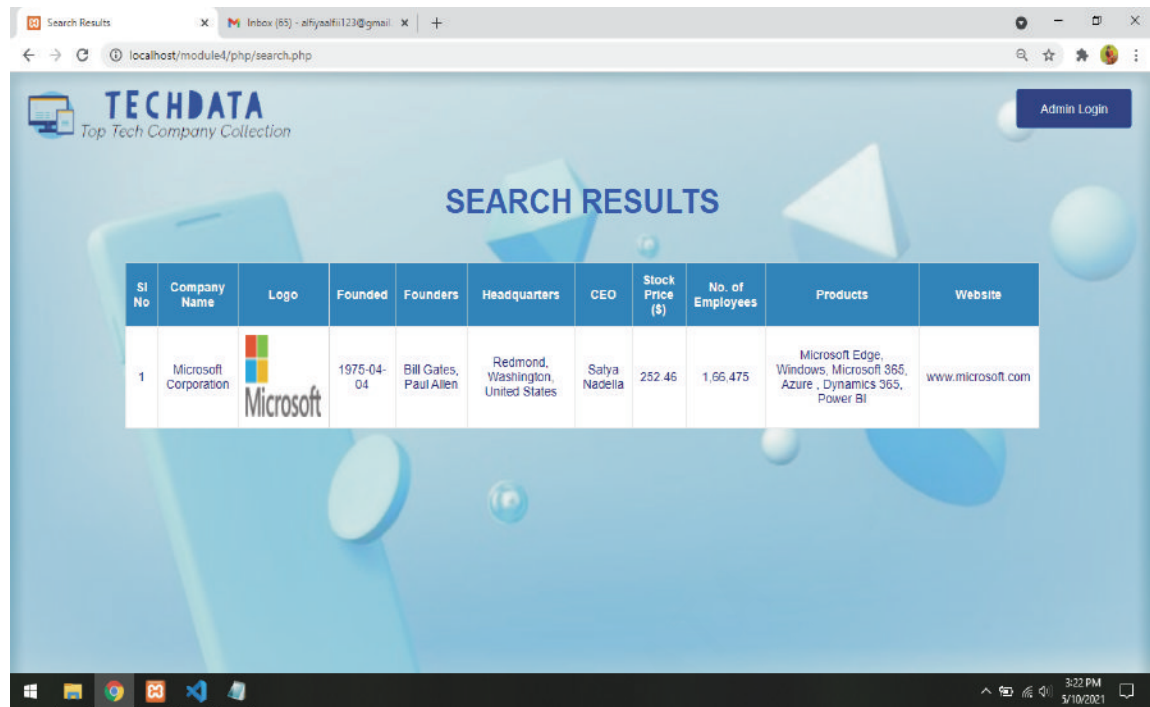
2. Search



The screenshot shows the search results page of the TECHDATA application. The search bar contains the text "Micro". The table below displays the search results for companies starting with "Micro", showing the same three companies as the homepage: Apple Inc., International Business Machines Corporation (IBM), and Microsoft Corporation. The table structure and data are identical to the one in the homepage screenshot.

SI No	Company Name	Logo	Founded	Founders	Headquarters	CEO	Stock Price (\$)	No. of Employees	Products	Website
1	Apple Inc.		1976-04-01	Steve Jobs, Steve Wozniak, Ronald Wayne	Cupertino, California, United States	Tim Cook	130.21	1,47,000	iPhone, iPad, Apple Watch, Apple TV, Macintosh, iOS	www.apple.com
2	International Business Machines Corporation (IBM)		1911-06-16	Charles Ranlett Flint, Herman Hollerith	Armonk, New York, United States	Arvind Krishna	145.46	3,45,900	Aspera, Cognos, Db2, IBM Cloud, IBM Cloud Paks, IBM Sterling, IBM ZRed Hat, OpenShiftSPSS, Watson, WebSphere	www.ibm.com
3	Microsoft Corporation		1975-04-04	Bill Gates, Paul Allen	Redmond, Washington, United States	Satya Nadella	252.46	1,66,475	Microsoft Edge, Windows, Microsoft 365, Azure, Dynamics 365, Power BI	www.microsoft.com

3. Search Results




Search Results

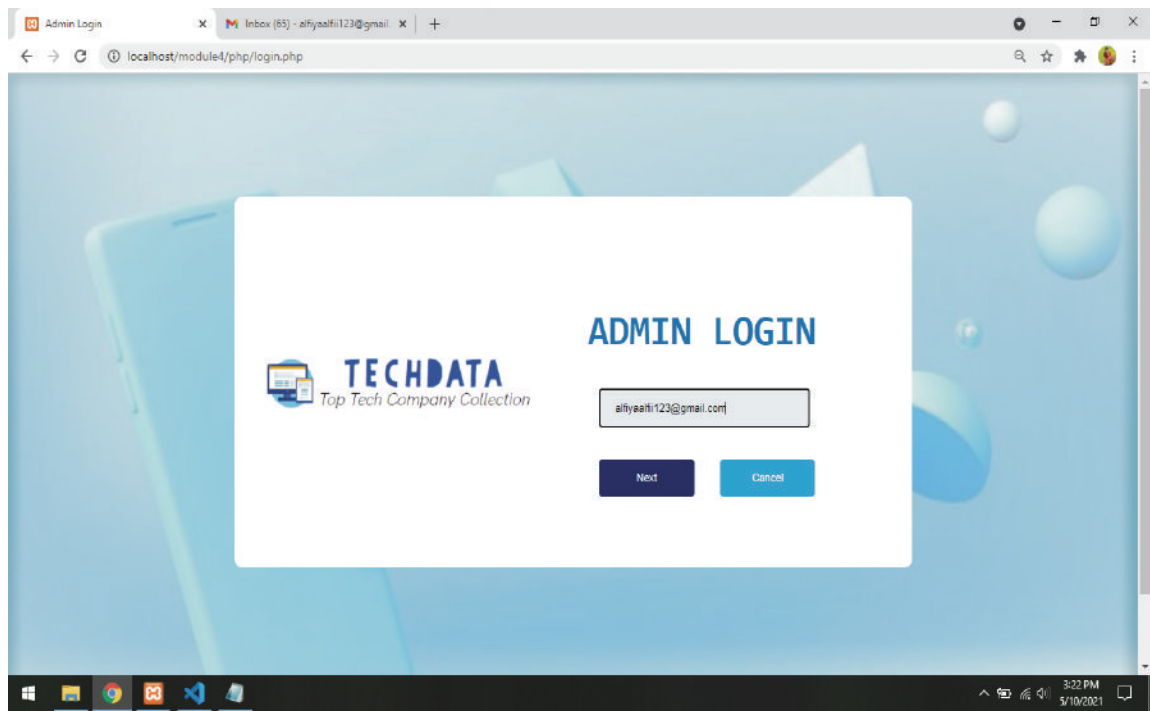
TECHDATA
Top Tech Company Collection

Admin Login

SEARCH RESULTS

SI No	Company Name	Logo	Founded	Founders	Headquarters	CEO	Stock Price (\$)	No. of Employees	Products	Website
1	Microsoft Corporation		1975-04-04	Bill Gates, Paul Allen	Redmond, Washington, United States	Satya Nadella	252.46	1,66,475	Microsoft Edge, Windows, Microsoft 365, Azure, Dynamics 365, Power BI	www.microsoft.com

4. Admin Login - Enter Email ID



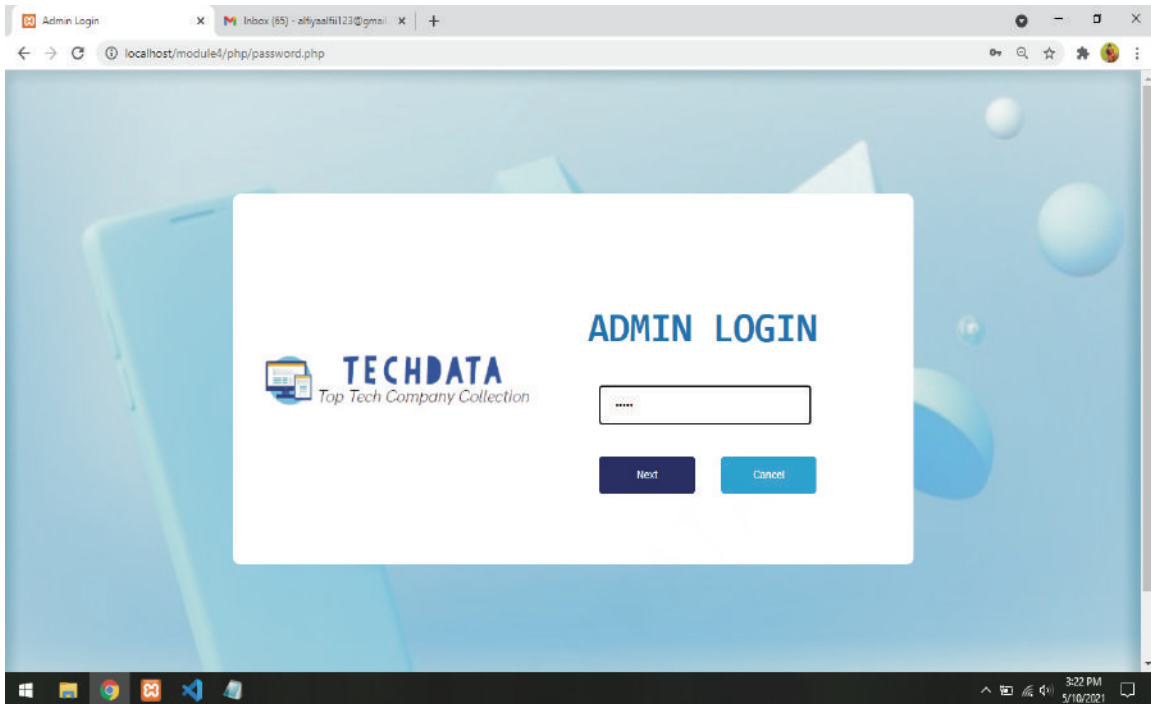
Admin Login

TECHDATA
Top Tech Company Collection

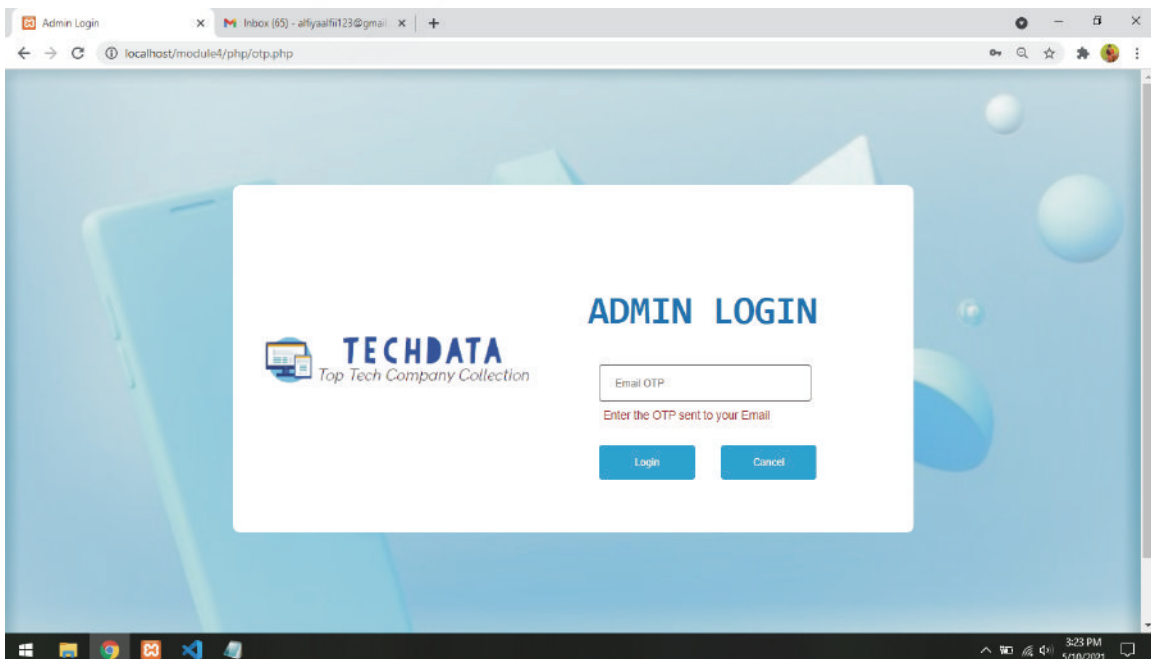
ADMIN LOGIN

Next Cancel

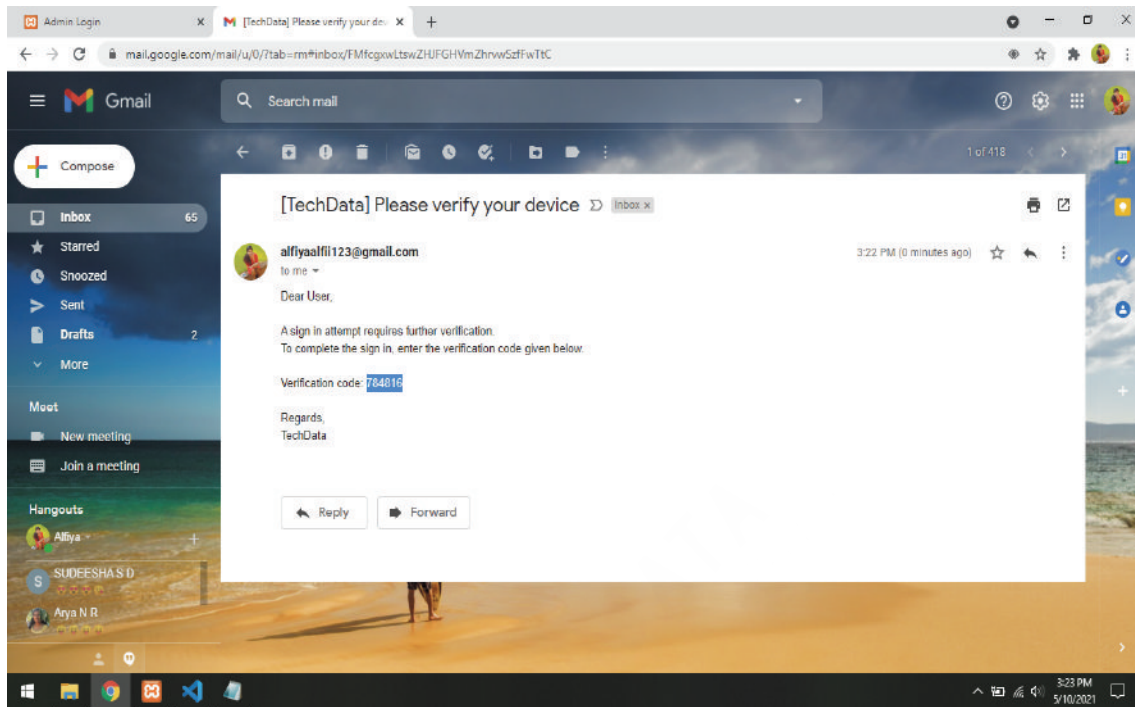
5. Admin Login - Enter Password



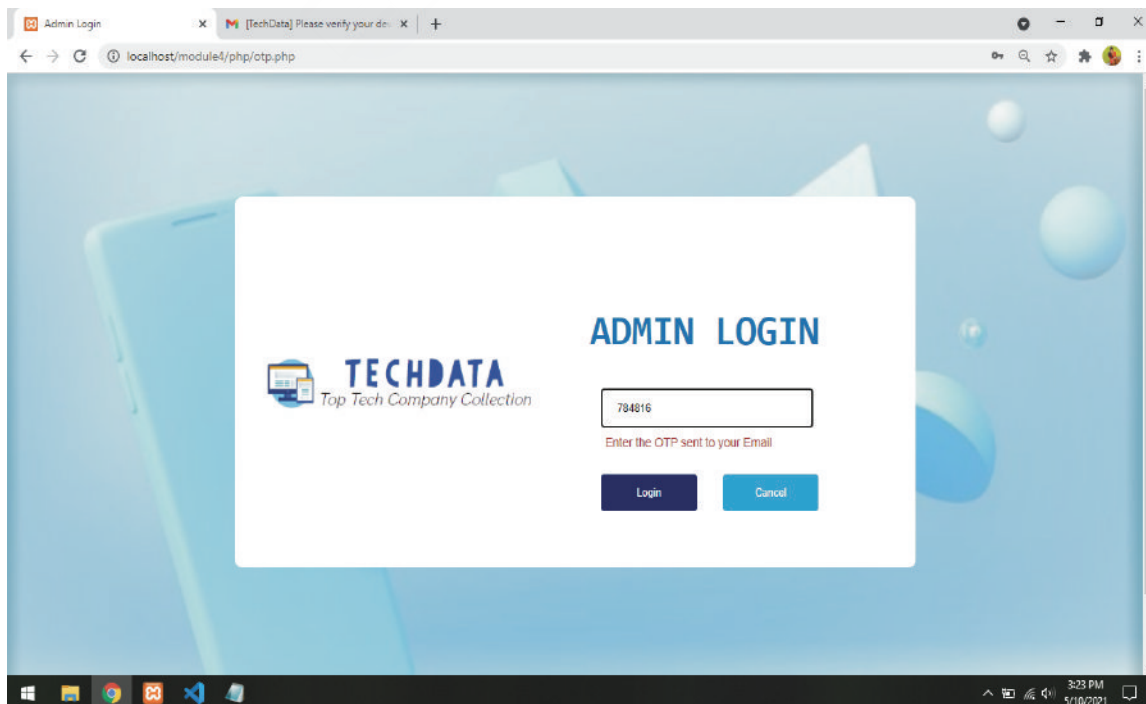
6. Admin Login - Enter OTP



7. Received OTP in the registered Email ID












8. OTP Entered



9. Admin Homepage










The screenshot shows the Admin Homepage of the TechData application. The page features a header with the TechData logo, a search bar, and buttons for Login History and Logout. Below the header is a table listing top tech companies. The table has columns for SI No, Company Name, Logo, Founded, Founders, Headquarters, CEO, Stock Price (\$), No. of Employees, Products, Website, and Options. The table lists Apple Inc., International Business Machines Corporation (IBM), and Microsoft.

SI No	Company Name	Logo	Founded	Founders	Headquarters	CEO	Stock Price (\$)	No. of Employees	Products	Website	Options
1	Apple Inc.		1976-04-01	Steve Jobs, Steve Wozniak, Ronald Wayne	Cupertino, California, United States	Tim Cook	130.21	1,47,000	iPhone, iPad, Apple Watch, Apple TV, Macintosh, iOS	www.apple.com	 
2	International Business Machines Corporation (IBM)		1911-06-16	Charles Ranlett Flint, Herman Hollerith	Armonk, New York, United States	Arvind Krishna	145.46	3,45,900	Aspera, Cognos, Db2, IBM Cloud, IBM Cloud Paks, IBM Sterling, IBM Z Red Hat, OpenShiftSPSS, Watson, WebSphere	www.ibm.com	 
3	Microsoft		1975-04-04	Bill Gates, Paul Allen	Redmond, Washington, United States	Satya Nadella	283.45	1,55,175	Microsoft Edge, Windows, Microsoft 365, Xbox One	www.microsoft.com	 

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10. Admin Search




The screenshot shows the Admin Search page of the TechData application. The search bar contains the text "IBM". The table below shows the search results for IBM, which is the second entry in the list.

SI No	Company Name	Logo	Founded	Founders	Headquarters	CEO	Stock Price (\$)	No. of Employees	Products	Website	Options
1	Apple Inc.		1976-04-01	Steve Jobs, Steve Wozniak, Ronald Wayne	Cupertino, California, United States	Tim Cook	130.21	1,47,000	iPhone, iPad, Apple Watch, Apple TV, Macintosh, iOS	www.apple.com	 
2	International Business Machines Corporation (IBM)		1911-06-16	Charles Ranlett Flint, Herman Hollerith	Armonk, New York, United States	Arvind Krishna	145.46	3,45,900	Aspera, Cognos, Db2, IBM Cloud, IBM Cloud Paks, IBM Sterling, IBM Z Red Hat, OpenShiftSPSS, Watson, WebSphere	www.ibm.com	 
3	Microsoft		1975-04-04	Bill Gates, Paul Allen	Redmond, Washington, United States	Satya Nadella	283.45	1,55,175	Microsoft Edge, Windows, Microsoft 365, Xbox One	www.microsoft.com	 

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11. Admin Search Results

The screenshot shows the 'Search Results' page of the TECHDATA application. The page has a blue header with the TECHDATA logo and 'Top Tech Company Collection' text. There are 'Login History' and 'Logout' buttons in the top right. The main content area features a large 'SEARCH RESULTS' title. Below it is a table with 12 columns: SI No, Company Name, Logo, Founded, Founders, Headquarters, CEO, Stock Price (\$), No. of Employees, Products, Website, and Options. The table contains one entry for IBM. The footer of the page states 'Designed & Developed by Amiya Fazli'.

SI No	Company Name	Logo	Founded	Founders	Headquarters	CEO	Stock Price (\$)	No. of Employees	Products	Website	Options
1	International Business Machines Corporation (IBM)		1911-06-16	Charles Ranlett Flint, Herman Hollerith	Armonk, New York, United States	Arvind Krishna	145.46	3,45,900	Aspera, Cognos, Db2, IBM Cloud, IBM Cloud Paks, IBM Sterling, IBM ZRed Hat, OpenShiftSPSS, Watson, WebSphere	www.ibm.com	 

12. Login History

The screenshot shows the 'Login History' page of the TECHDATA application. The page has a blue header with the TECHDATA logo and 'Top Tech Company Collection' text. There are 'Login History' and 'Logout' buttons in the top right. The main content area features a large 'LOGIN HISTORY' title. Below it is a table with 5 columns: SI No, Admin EmailID, IP Address, Browser, and Login Time. The table contains three entries for the user 'amiyaafazli123@gmail.com'. The footer of the page states 'Designed & Developed by Amiya Fazli'.

SI No	Admin EmailID	IP Address	Browser	Login Time
1	amiyaafazli123@gmail.com	127.0.0.1	Google Chrome	2021-05-10 14:09:20
2	amiyaafazli123@gmail.com	127.0.0.1	Google Chrome	2021-05-10 14:57:46
3	amiyaafazli123@gmail.com	127.0.0.1	Google Chrome	2021-05-10 15:23:36

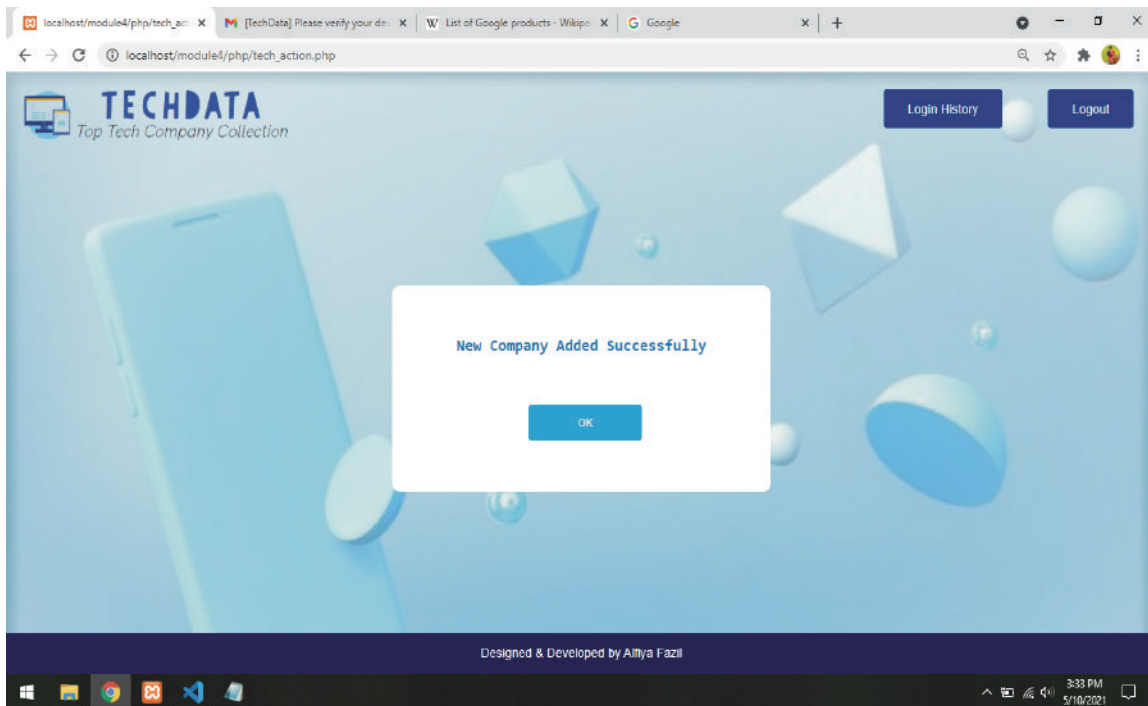
13. Add Company

The screenshot shows a web browser window with the URL `localhost/module4/php/tech_add.php`. The page has a header with the 'TECHDATA' logo and 'Top Tech Company Collection' text. In the top right corner, there are 'Login History' and 'Logout' buttons. The main heading is 'ADD A TECH COMPANY'. Below it, the form includes the following fields: 'Company Name' (text input), 'Logo' (file upload with 'Choose file...' and 'Browse' buttons), 'Founded' (date picker showing 'mm/dd/yyyy'), 'Founders' (text input), 'Headquarters' (text input), and 'CEO' (text input). At the bottom of the form area, it says 'Designed & Developed by Altiya Fazil'. The Windows taskbar at the bottom shows the time as 3:25 PM on 5/10/2021.

14. New Company Details Entered

This screenshot shows the same 'ADD A TECH COMPANY' form, but with data entered. The browser tabs include 'Add Details', '[TechData] Please verify your device', 'List of Google products - Wikipedia', and 'Google'. The form fields are filled with the following information: 'Company Name' is 'Larry Page, Sergey Brin'; 'Headquarters' is 'Mountain View, California, United States'; 'CEO' is 'Sunder Pichai'; 'Stock Price (\$)' is '2,351.93'; 'No. of employees' is '136,995'; 'Products' is 'Google Search, Google Alerts, Google Flights, YouTube'; and 'Website' is 'www.google.com'. At the bottom of the form, there are 'Add' and 'Cancel' buttons. The footer text 'Designed & Developed by Altiya Fazil' is visible. The Windows taskbar at the bottom shows the time as 3:33 PM on 5/10/2021.

15. New Company Added

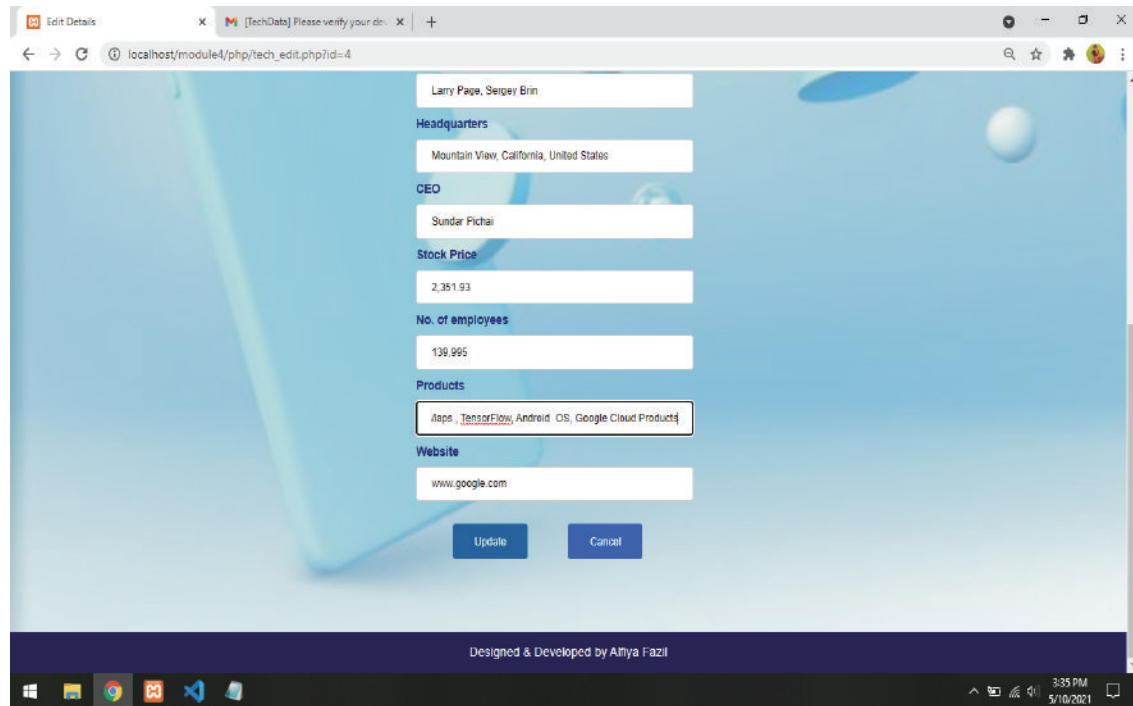


16. New Company

The screenshot shows a web browser window with the URL `localhost/module4/php/index.php`. The page displays a table of tech companies. The footer indicates 'Designed & Developed by Alfiya Fazil'.

Sl No	Company Name	Logo	Founded	Founders	Headquarters	CEO	Stock Price (\$)	No. of Employees	Products	Website	Options
1	Apple Inc.		1976-04-01	Steve Jobs, Steve Wozniak, Ronald Wayne	Cupertino, California, United States	Tim Cook	130.21	1,47,000	iPhone, iPad, Apple Watch, Apple TV, Macintosh, iOS	www.apple.com	 
2	International Business Machines Corporation (IBM)		1911-06-16	Charles Ranlett Flint, Herman Hollerith	Armonk, New York, United States	Arvind Krishna	145.46	3,45,900	Aspera, Cognos, Db2, IBM Cloud, IBM Cloud Paks, IBM Sterling, IBM Z Red Hat, OpenShiftSPSS, Watson, WebSphere	www.ibm.com	 
3	Microsoft Corporation		1975-04-04	Bill Gates, Paul Allen	Redmond, Washington, United States	Satya Nadella	252.46	1,66,475	Microsoft Edge, Windows, Microsoft 365, Azure, Dynamics 365, Power BI	www.microsoft.com	 
4	Google LLC		1998-09-04	Larry Page, Sergey Brin	Mountain View, California, United States	Sundar Pichai	2,351.93	139,995	Google Search, Google Alerts, Google Flights, YouTube, Google Maps, TensorFlow, Android OS	www.google.com	 

17. Company Details Edited

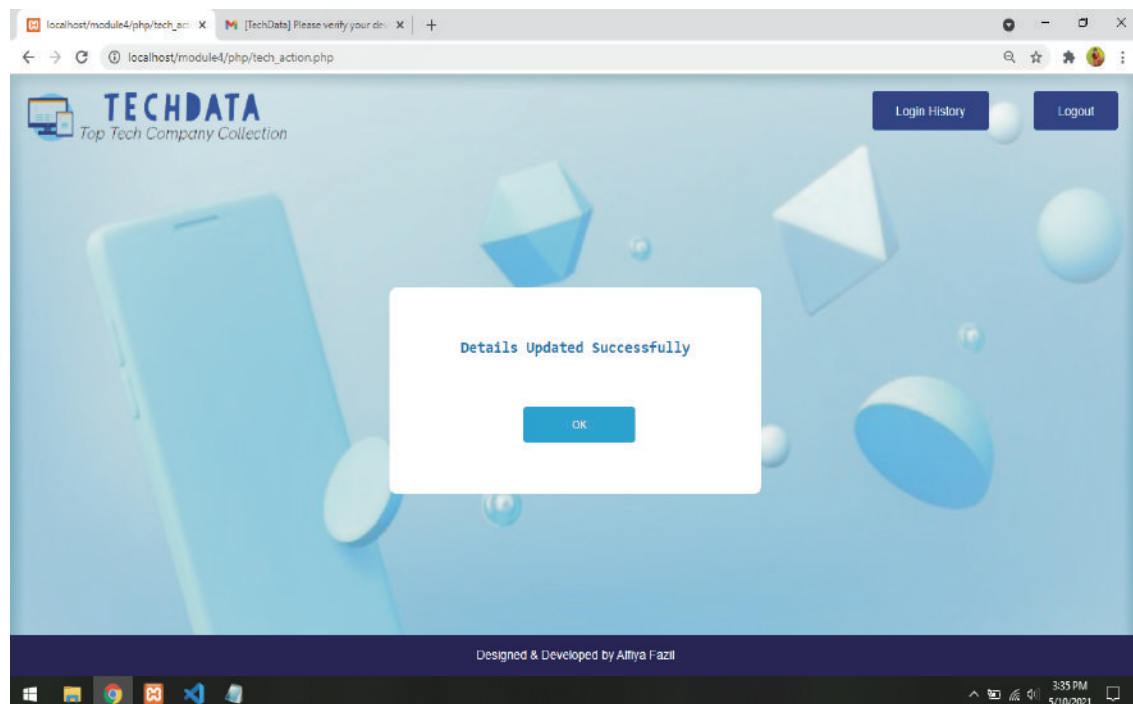


The screenshot shows a web browser window with the address bar displaying `localhost/module4/php/tech_edit.php?id=4`. The page title is "Edit Details". The form contains the following fields:

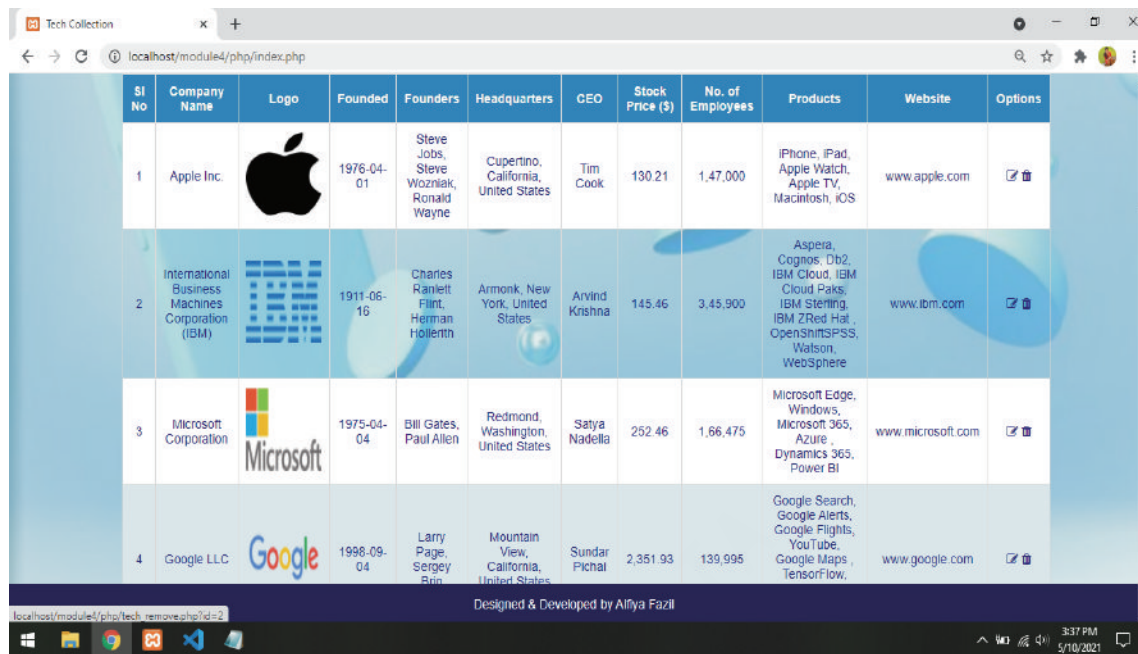
- Company Name:** Larry Page, Sergey Brin
- Headquarters:** Mountain View, California, United States
- CEO:** Sunder Pichai
- Stock Price:** 2,351.93
- No. of employees:** 139,995
- Products:** Apps, TensorFlow, Android, OS, Google Cloud Products
- Website:** www.google.com













At the bottom of the form are two buttons: "Update" and "Cancel". The footer of the page reads "Designed & Developed by Almya Fazil". The Windows taskbar at the bottom shows the time as 3:35 PM on 5/10/2021.

18. Company Updated



19. Remove Company

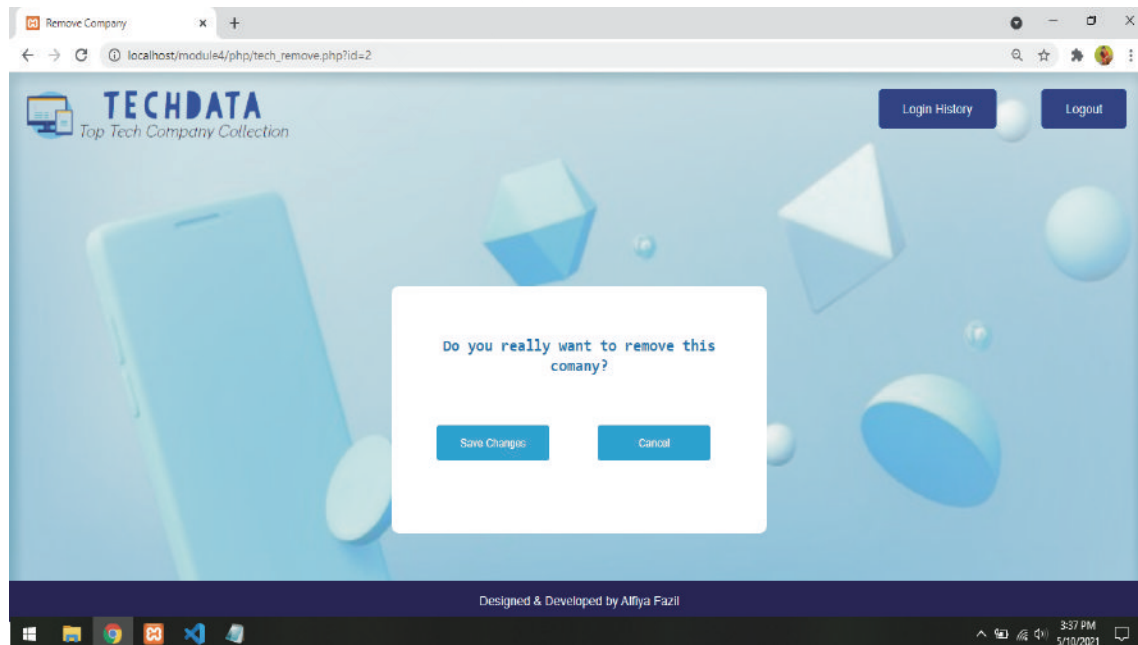


SI No	Company Name	Logo	Founded	Founders	Headquarters	CEO	Stock Price (\$)	No. of Employees	Products	Website	Options
1	Apple Inc.		1976-04-01	Steve Jobs, Steve Wozniak, Ronald Wayne	Cupertino, California, United States	Tim Cook	130.21	1,47,000	iPhone, iPad, Apple Watch, Apple TV, Macintosh, iOS	www.apple.com	 
2	International Business Machines Corporation (IBM)		1911-06-16	Charles Ranlett Flint, Herman Hollerith	Armonk, New York, United States	Arvind Krishna	145.46	3,45,900	Aspera, Cognos, Db2, IBM Cloud, IBM Cloud Paks, IBM Sterling, IBM ZRed Hat, OpenShiftSPSS, Watson, WebSphere	www.ibm.com	 
3	Microsoft Corporation		1975-04-04	Bill Gates, Paul Allen	Redmond, Washington, United States	Satya Nadella	252.46	1,66,475	Microsoft Edge, Windows, Microsoft 365, Azure, Dynamics 365, Power BI	www.microsoft.com	 
4	Google LLC		1998-09-04	Larry Page, Sergey Brin	Mountain View, California, United States	Sundar Pichai	2,351.93	139,995	Google Search, Google Alerts, Google Flights, YouTube, Google Maps, TensorFlow	www.google.com	 

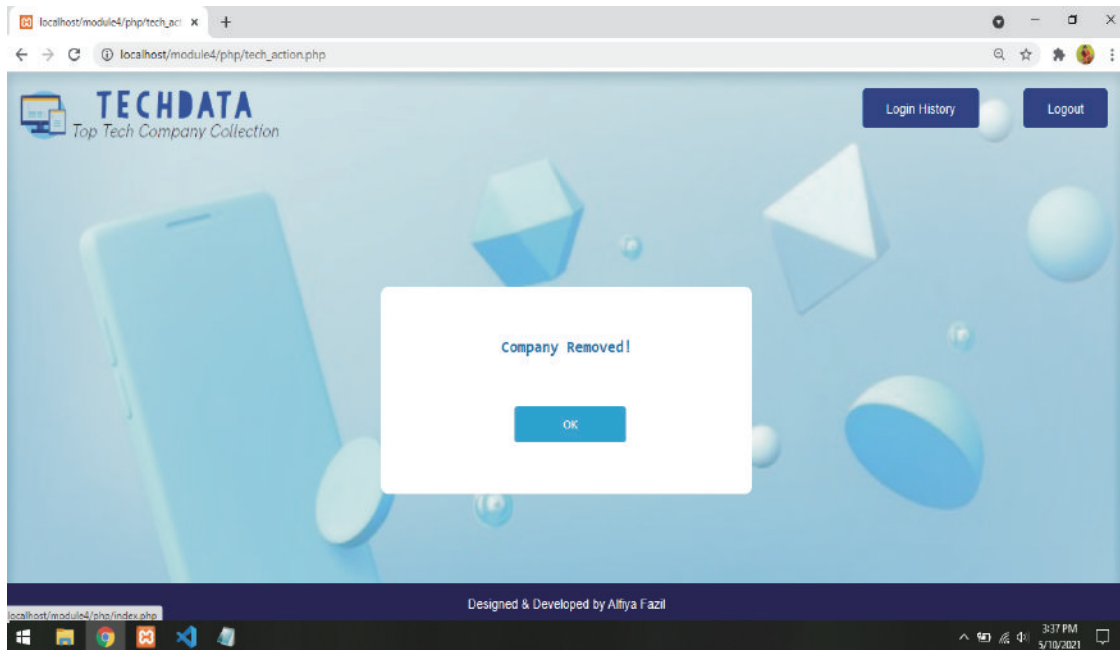
localhost/module4/php/tech_remove.php?id=2

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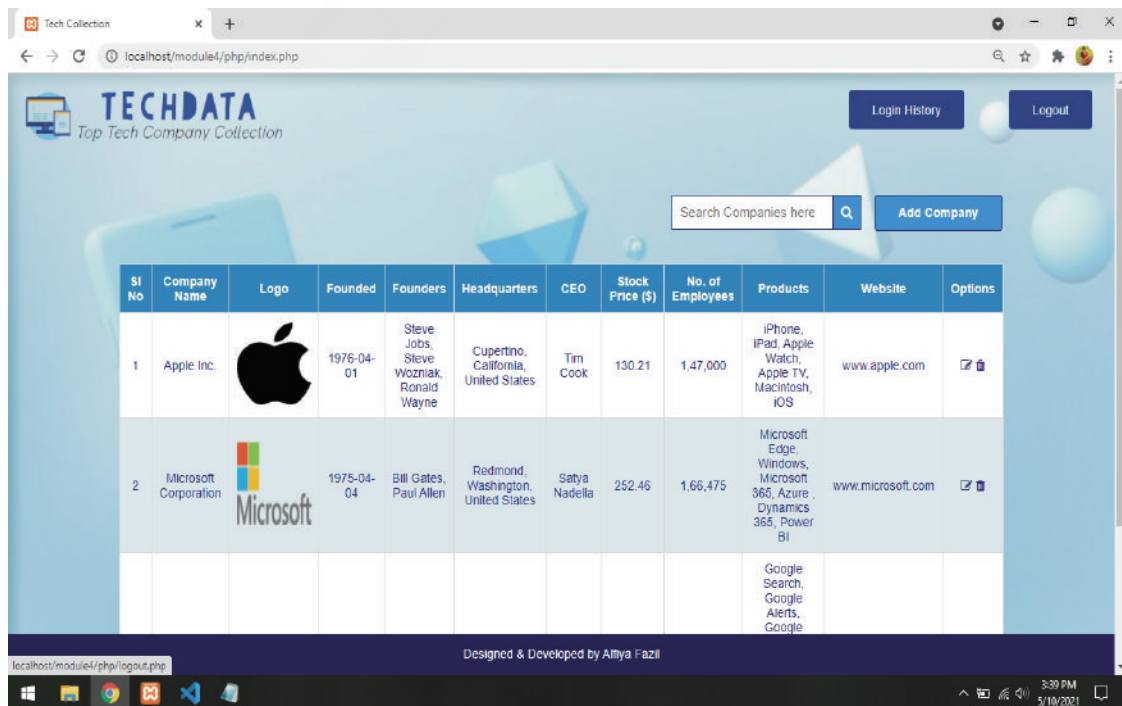
20. Removal Confirmed



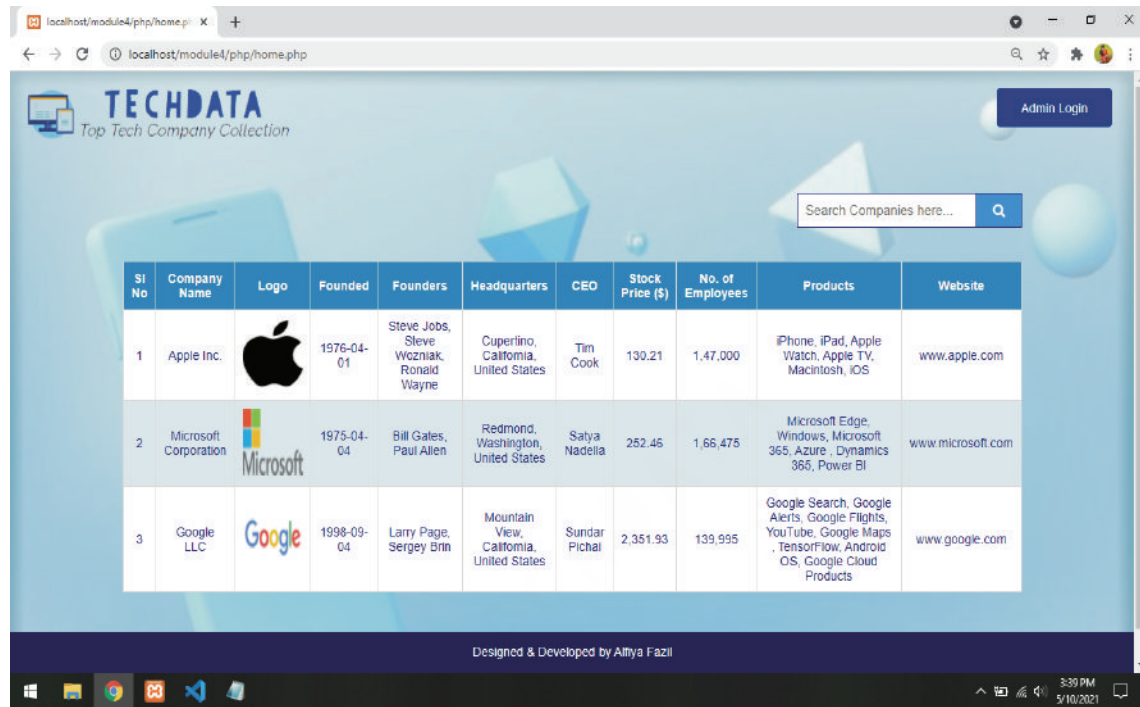
21. Company Removed






22. Updated Admin Homepage



23. Admin Logged Out



The screenshot displays a web application interface for 'TECHDATA Top Tech Company Collection'. The page includes a search bar and an 'Admin Login' button. Below the header, a table lists the top three tech companies: Apple Inc., Microsoft Corporation, and Google LLC. The table columns include SI No, Company Name, Logo, Founded, Founders, Headquarters, CEO, Stock Price (\$), No. of Employees, Products, and Website.

SI No	Company Name	Logo	Founded	Founders	Headquarters	CEO	Stock Price (\$)	No. of Employees	Products	Website
1	Apple Inc.		1976-04-01	Steve Jobs, Steve Wozniak, Ronald Wayne	Cupertino, California, United States	Tim Cook	130.21	1,47,000	iPhone, iPad, Apple Watch, Apple TV, Macintosh, iOS	www.apple.com
2	Microsoft Corporation		1975-04-04	Bill Gates, Paul Allen	Redmond, Washington, United States	Satya Nadella	252.45	1,66,475	Microsoft Edge, Windows, Microsoft 365, Azure, Dynamics 365, Power BI	www.microsoft.com
3	Google LLC		1998-09-04	Larry Page, Sergey Brin	Mountain View, California, United States	Sundar Pichai	2,351.93	139,995	Google Search, Google Alerts, Google Flights, YouTube, Google Maps, TensorFlow, Android OS, Google Cloud Products	www.google.com

Designed & Developed by Alfiya Fazil

7. CONCLUSION

The purpose of this project was to develop a web application where users can easily gather information on top technical companies. After the development and execution of the code it can be concluded that the overall behavior of the web application is satisfying and upto the requirements of the users. Future enhancements are possible on this project since it's scalable and can afford many advanced features. The usefulness of this one stop web application makes this whole journey worth trying.

8. REFERENCE

1. <https://stackoverflow.com/>
2. <https://www.phpflow.com/>
3. <https://www.studentstutorial.com/>
4. <https://www.techwalla.com/>