



جامعة جدة
University of Jeddah

CCDS-222

Database2

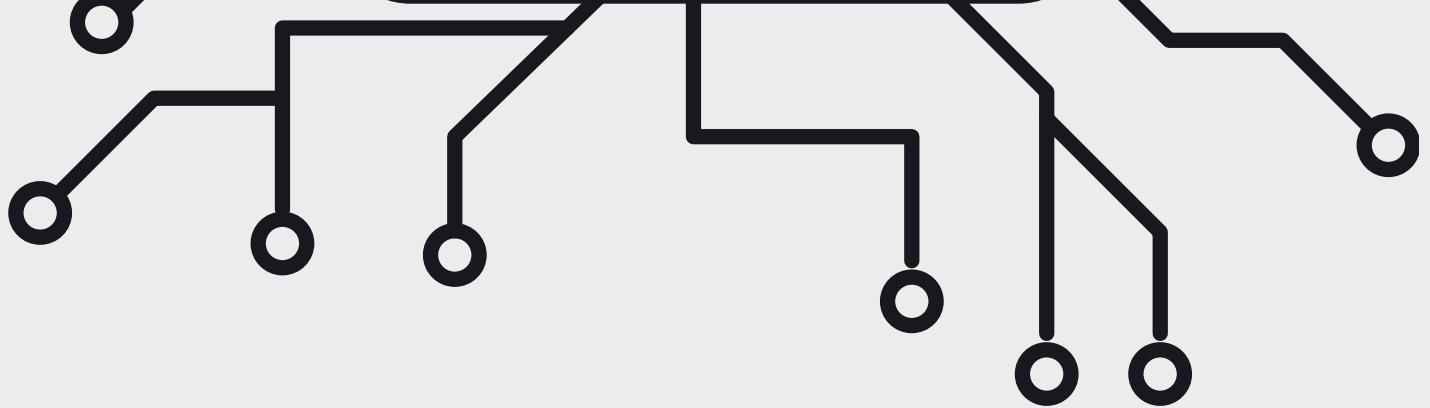
Report for
the final project

16688

Secton: T1

Supervising by:
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team information

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Outline

In this project, two HTML pages are created:

1-login information

We already have the employee's information from the relation (Employee), but we'll need to make a table with the user's information.

2-employee's information

We'll need to create a table with the user's information from the relation (Employee)



Steps to implement the project

(the topic)

1- Mysql code

- 1- Create and insert in the **user table** by mysql workbench
- 2- Create and insert in the **Employee table** by python

2- Log in page

3- Employee's information

Steps to implement the project

MySQL CODE

1- Create and insert in the **user table** by mysql workbench

```
create table userr
(
email CHAR(255),
thepassword CHAR(100)
);
```

```
insert into userr values ('data@gmail.com','123data');
insert into userr values ('datadase@gmail.com','abcd999');
insert into userr values ('aliaa@gmail.com','1111aaaa');
insert into userr values ('marwh@gmail.com','Mmmm2222');
insert into userr values ('dina@gmail.com','ddd3333');
insert into userr values ('lujen@gmail.com','11114444');
```

The screenshot shows the MySQL Workbench interface. On the left, the database tree shows 'newdatabase2' with 'Tables' expanded, showing 'employee' and 'userr'. Below the tree are tabs for 'Administration' and 'Schemas'. The main area has a search bar 'Filter objects' and a query editor with the following content:

```
1 •  SELECT * FROM newdatabase2.userr;
```

Below the query editor is a 'Result Grid' table with the following data:

	email	thepassword
▶	datadase@gmail.com	abcd999
▶	datadase@gmail.com	abcd999
▶	aliaa@gmail.com	1111aaaa
▶	data@gmail.com	123data
▶	marwh@gmail.com	Mmmm2222
▶	dina@gmail.com	ddd3333
▶	lujen@gmail.com	11114444

Steps to implement the project

MySQL CODE

- Connect

```
>>> mydb = mysql.connector.connect(  
...     host="localhost",  
...     user="root",  
...     password="1234"  
... )
```

- Create the EMPLOYEE table

```
mycursor = mydb.cursor()  
mycursor.execute("create database newdatabase")  
mycursor.execute("""create table newdatabase.EMPLOYEE (FNAME VARCHAR(25) NOT NULL,  
MINIT CHAR(5),  
LNAME varchar(15) NOT NULL  
, SSN char(9) NOT NULL,  
BDATE DATE,  
ADDRESS VARCHAR(30),  
SEX VARCHAR(2),  
SALARY decimal (10,2),  
SUPER_SSN CHAR(11),  
DNO INT NOT NULL)""")  
mydb.commit()
```

- Insert in the EMPLOYEE table

```
>>> employees = pd.read_csv(r'C:\Users\marwh\OneDrive\Documents\DATA\DATA\data-csv\data-csv\EMPLOYEE.csv',delimiter='\s+',header=None )  
>>> employees.columns = ['FNAME','MINIT','LNAME','SSN','BDATE','ADDRESS','SEX','SALARY','SUPER_SSN','DNO']  
>>> employees = employees.replace(np.nan,'',regex=True)  
>>> cols = ",".join([str(i) for i in employees.columns.tolist()])  
>>> for i,row in employees.iterrows():  
...     print(tuple(row))  
...     sql = "INSERT INTO `EMPLOYEE` (" + cols + ") VALUES (" + "%s,"*(len(row)-1) + "%s)"  
...     mycursor.execute(sql, tuple(row))
```

Steps to implement the project

Log in page code

- Connection with mysql by php :

```
<?php
$hostname = "localhost";
$username = "root";
$password = "1234";
$connect = mysqli_connect($hostname, $username, $password) or
    die("Could not connect!\n");
//echo "<h3> <font color=green>Connection established.<br>";
$database = "newdatabase2";
mysqli_select_db($connect, $database) or die("Could not select the database ");
//echo "<h3> <font color=green>Connection db established.<br>";
?>
```

Steps to implement the project

Log in page code

- Part code of CSS in html

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <style>
      body
      {
        background-color: grey;
      }
      h1
      {
        color: white;
        text-align: center;
      }
      p
      {
        font-family: verdana;
        font-size: 20px;
      }
      button
      {
        width: 107%;
        background-color: #04AA6D;
      }
    </style>
  </head>
  <body>
    <h1>Welcome to my login page!</h1>
    <p>Please enter your credentials below:</p>
    <form>
      <label>Email:</label>
      <input type="text" name="email" />
      <label>Password:</label>
      <input type="password" name="password" />
      <button type="submit">Login</button>
    </form>
  </body>
</html>
```

Steps to implement the project

Log in page code

- Supplement to the previous code

```
        color: white;
        padding: 14px 20px;
        margin: 8px 9;
        border: center;
        cursor: pointer;
    }
    button:hover
    {
        opacity: 0.8;
    }
```

- Connection with css

```
</style>

<meta charset="UTF-8">
<title> Login Form </title>
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/normalize/5.0.0/normalize.min.css">
<link rel="stylesheet" href="login.css" type="text/css">
```

- html structure components

```
</head>
<body>
    <!-- partial:index.partial.html -->

    <div id="login-form-wrap">

        <h1 style=" font-family: cursive; " action="" style="font-size:400%;">Log in form </h1>
        <form id="login-form" method= "POST" >
            <p>
                <input type="email" id="email" name="email" placeholder="Email Address" required><i
                    class="validation"><span></span><span></span></i>
            </p>
            <p >
                <input type="text" id="passwd" passwd" name="passwd" placeholder="passwd" required><i
                    class="validation"><span></span><span></span></i>
            </p>
            <p>
                <button type="submit"   > Sign in </button></p>
        </form>
```

Steps to implement the project

Log in page code

- Query by php

```
<?php
if ($_SERVER['REQUEST_METHOD'] == "POST")
{
    $email = $_POST['email'];
    $passwrd = $_POST['passwrd'];

    print "<h4>This account does not exist (please try again)";
    $query = "select * from userr where email = '$email' and thepassword='$passwrd';

    $result = mysqli_query($connect, $query) or die(mysql_error());
    // print"3insaed if \n";
    // or die("you do ot have account");
    while ($row = mysqli_fetch_array($result))
    {
        if ($row["email"] == $email and $row["thepassword"] == $passwrd)
        {
            header('Location: emploee.php');
        }
    }
}
?>
```

- Close connection with mysql

```
    </body>
</html>
<?php
mysqli_close($connect)
?>
```

Steps to implement the project

Log in page code

- css code

```
#bg {  
    background-image: url('img/background.jpg');  
    position: fixed;  
    left: 0;  
    top: 0;  
    width: 100%;  
    height: 100%;  
    background-size: cover;  
    filter: blur(5px);  
}  
  
#tit{  
    font-weight: 36;  
    min-height: 100vh;  
}  
  
body {  
    font-family: 'Lato', sans-serif;  
    color: #4A4A4A;  
    display: flex;  
    justify-content: center;  
    align-items: center;  
    min-height: 100vh;  
    overflow: hidden;  
    margin: 0;  
    padding: 0;  
}  
  
form {  
    width: 300px;  
    position: relative;  
}
```

Steps to implement the project

Log in page code

- css code

```
form .form-field::before {  
    font-size: 20px;  
    position: absolute;  
    left: 15px;  
    top: 17px;  
    color: #888888;  
    content: " ";  
    display: block;  
    background-size: cover;  
    background-repeat: no-repeat;  
}  
  
form .form-field:nth-child(1)::before {  
    background-image: url(img/user-icon.png);  
    width: 20px;  
    height: 20px;  
    top: 15px;  
}  
  
-----  
  
form .form-field {  
    display: -webkit-box;  
    display: -ms-flexbox;  
    display: flex;  
    -webkit-box-pack: justify;  
    -ms-flex-pack: justify;  
    justify-content: space-between;  
    -webkit-box-align: center;  
    -ms-flex-align: center;  
    align-items: center;  
    margin-bottom: 1rem;  
    position: relative;  
}
```

Steps to implement the project

Log in page code

- css code

```
form input {  
    font-family: inherit;  
    width: 100%;  
    outline: none;  
    background-color: #fff;  
    border-radius: 4px;  
    border: none;  
    display: block;  
    padding: 0.9rem 0.7rem;  
    box-shadow: 0px 3px 6px rgba(0, 0, 0, 0.16);  
    font-size: 17px;  
    color: #4A4A4A;  
    text-indent: 40px;  
}  
form .btn {  
    outline: none;  
    border: none;  
    cursor: pointer;  
    display: inline-block;  
    margin: 0 auto;  
    padding: 0.9rem 2.5rem;  
    text-align: center;  
    background-color: #47AB11;  
    color: #fff;  
    border-radius: 4px;  
    box-shadow: 0px 3px 6px rgba(0, 0, 0, 0.16);  
    font-size: 17px;  
}
```

Steps to implement the project

Employee page code

- Connection with mysql by php :

```
<?php
$hostname="localhost";
$username="root";
$password="1234";
$connect = mysqli_connect($hostname, $username, $password) or die ("Could not
connect!\n");
//echo "<h3> <font color=green>Connection established.<br>";
$database="newdatabase2";
mysqli_select_db($connect,$database) or die ("Could not select the database ");
//echo "<h3> <font color=green>Connection db established.<br>";
?>
```

- Connection with css :

```
<!DOCTYPE html>
<head>
  <meta charset="utf-8" />
  <meta name="description" content=" search employee information" />
  <title>Employee information</title>
  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/normalize/5.0.0/normalize.min.cs
<link rel="stylesheet" href="empinf.css" type="text/css">
```

Steps to implement the project

Employee page code

- Part code of CSS in html

```
body
{
    background-color: grey;
}
h1
{
    color: white;
    text-align: left;
}
p
{
    font-family: verdana;
    font-size: 20px;
}

button
{
    width: 107%;
    background-color: #04AA6D;
    color: white;
    padding: 14px 20px;
    margin: 8px 9;
    border: left;
    cursor: pointer;
}

button:hover
{
    opacity: 0.8;
}

label {
    color: rgb(7, 7, 7);
    font-family: verdana;
    font-size: 18px;
}

table, th, td
{
    border: 3px solid black;
    border-collapse: collapse;
    right : 110%;
    padding: 15px;
}
```

Steps to implement the project

Employee page code

-html structure components

```
</style>
<!-- rel="stylesheet" href=""-->
</head>

<body align="left">
<div id="emp-form-wrap">
<h1 style=" font-family: cursive; " style="font-size:400%;"> Employee information </h1>
<!--font color = "green" size="7" face="arial"> test the font </font-->
<div class="verticalLine"></div>
<form id="emp-form" method= "POST">
<label for="emp"> Enter employee SSN:</label><br>
<p>
<input type="text" id="emp" name="emp" placeholder="SSN number" required> <i
class="validation"><span></span><span></span></i> <br>
<button type="submit"> submit </button>
</p>
</form>
```

- Query by php code :

```
<?php
if ($_SERVER['REQUEST_METHOD']=="POST")
{
    $ssnnumb = $_POST['emp'];
// echo $ssnnumb;
$query = "select * from Employee where SSN = '$ssnnumb'";
// echo $query;
$result = mysqli_query($connect, $query);
        //or die("there is no empleey with this ssn");
```

Steps to implement the project

Employee page code

- Display components of table by php code :

```
while($row = mysqli_fetch_array($result))
{
    echo" <table border='1' align='right' style='margin-top:10px; margin-right:10px;'>
<tr> <th> First name </th>
<th> Minit </th>
<th> Last name </th>
<th> SSN number </th>
<th> Birthday </th>
<th> SEX </th>
<th> SALARY </th>
<th> Super_SSN number</th>
<th> DNO </th>
</tr>";

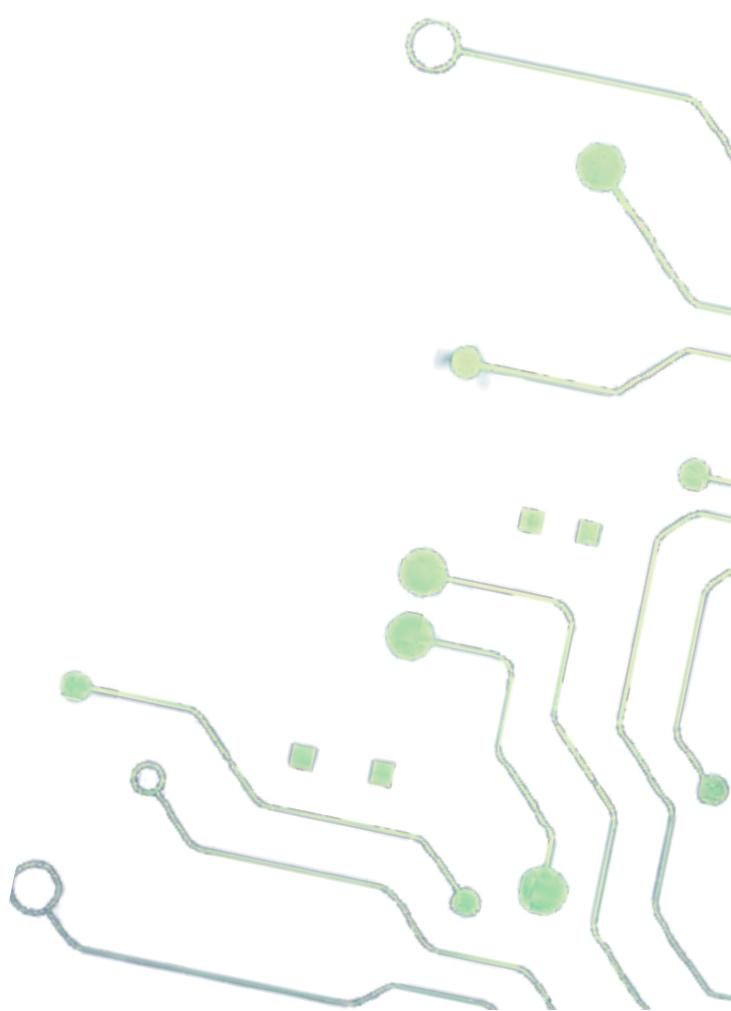
    echo "<tr>";
    echo"<th> " . $row["FNAME"] . "</th>";
    echo"<th> " . $row["MINIT"] . "</th>";
    echo"<th> " . $row["LNAME"] . "</th>";
    echo"<th> " . $row["SSN"] . "</th>";
    echo"<th> " . $row["BDATE"] . "</th>";
    echo"<th> " . $row["SEX"] . "</th>";
    echo"<th> " . $row["SALARY"] . "</th>";
    echo"<th> " . $row["SUPER_SSN"] . "</th>";
    echo"<th> " . $row["DNO"] . "</th>";
    echo "</tr>";
    exit();
}
//exit();
print("there is no employee with this ssn");
}
?>
    </table>
</div>
<!-- &lt;div class="verticalLine"&gt;&lt;/div&gt;--&gt;
&lt;/body&gt;
&lt;/html&gt;
&lt;?php
mysqli_close($connect)
?&gt;</pre>
```

Steps to implement the project

Employee page code

- css code

```
#bg {  
    position: fixed;  
    left: 0;  
    top: 0;  
    width: 100%;  
    height: 100%;  
    background-size: cover;  
    filter: blur(5px);  
}  
  
#tit{  
    font-weight: 36;  
    min-height: 100vh;  
}  
  
body {  
    font-family: 'Lato', sans-serif;  
    color: #4A4A4A;  
    display: flex;  
    position: absolute;  
    left: 10%;  
    top : 10%;  
    min-height: 100vh;  
    overflow: hidden;  
    margin: 0;  
    padding: 0;  
}  
  
form .form-field {  
    display: -webkit-box;  
    display: -ms-flexbox;  
    display: flex;  
    -webkit-box-pack: justify;  
    -ms-flex-pack: justify;  
    justify-content: space-between;  
    -webkit-box-align: center;  
    -ms-flex-align: center;  
    align-items: center;  
    margin-bottom: 1rem;  
    position: relative;  
}
```



Steps to implement the project

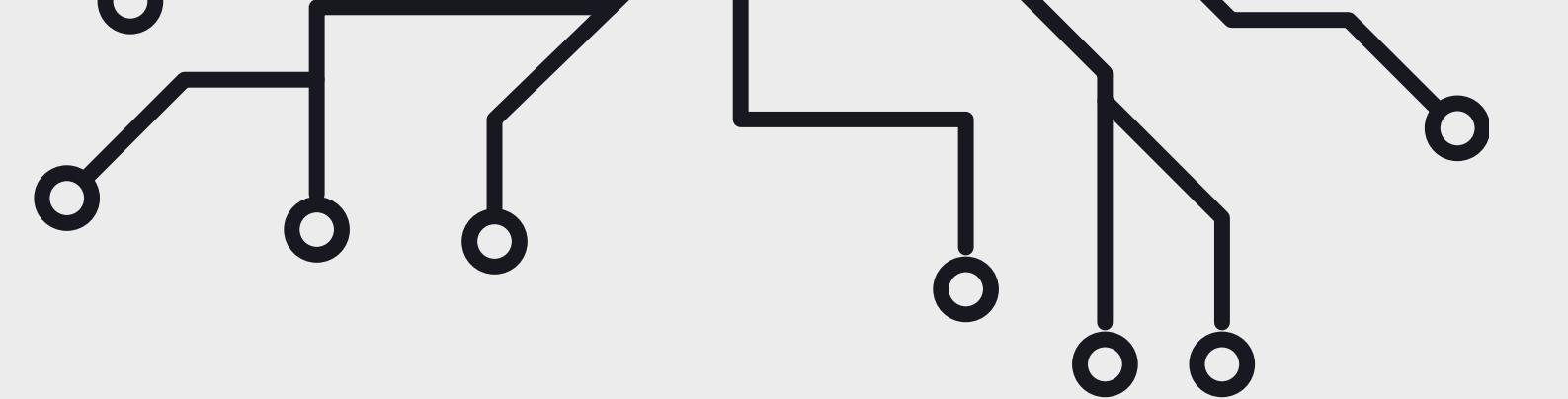
Employee page code

- css code

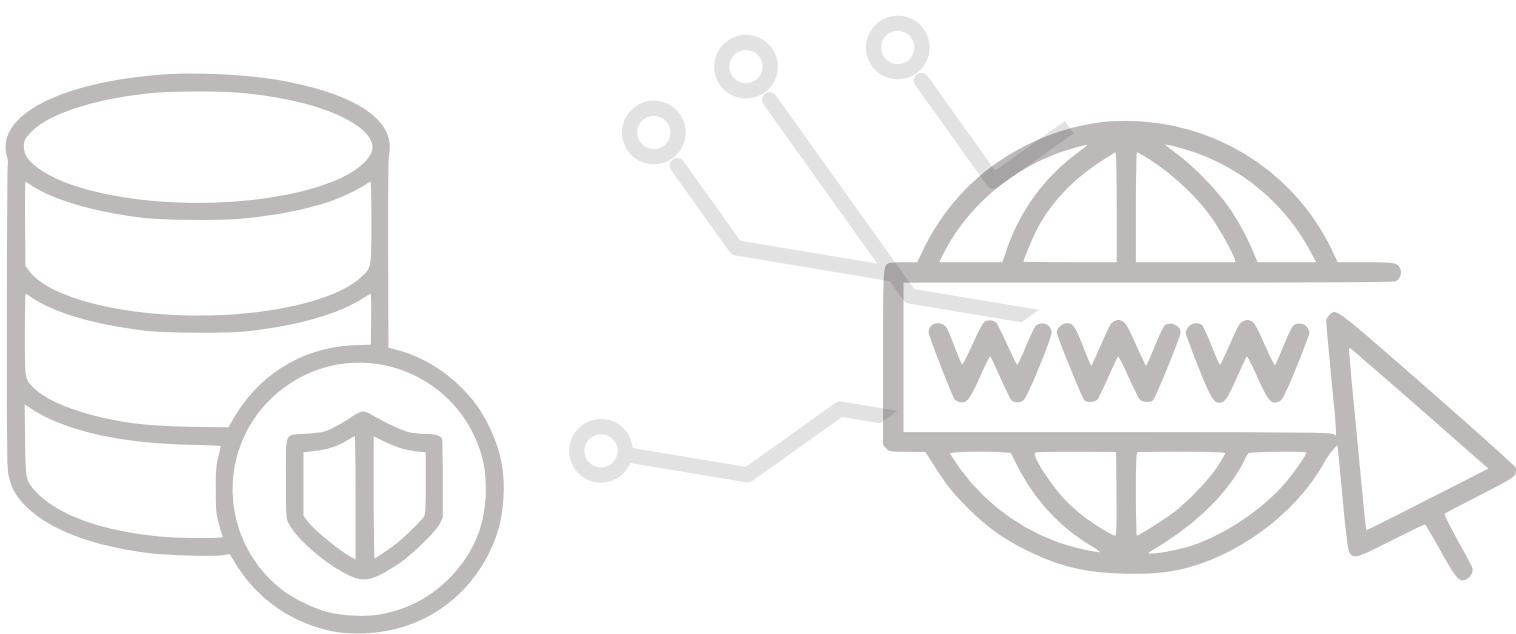
```
form
{
    width: 300px;
    position: relative;
}
form .form-field::before
{
    font-size: 20px;
    position: absolute;
    left: 15px;
    top: 17px;
    color: #888888;
    content: " ";
    display: block;
    background-size: cover;
    background-repeat: no-repeat;
}

form .form-field {
    display: -webkit-box;
    display: -ms-flexbox;
    display: flex;
    -webkit-box-pack: justify;
    -ms-flex-pack: justify;
    justify-content: space-between;
    -webkit-box-align: center;
    -ms-flex-align: center;
}

form .btn
{
    outline: none;
    border: none;
    cursor: pointer;
    display: inline-block;
    margin: 0 auto;
    padding: 0.9rem 2.5rem;
    text-align: center;
    background-color: #47AB11;
    color: #fff;
    border-radius: 4px;
    box-shadow: 0px 3px 6px rgba(0, 0, 0, 0.16);
    font-size: 17px;
}
```



Output



Output :

Log in page

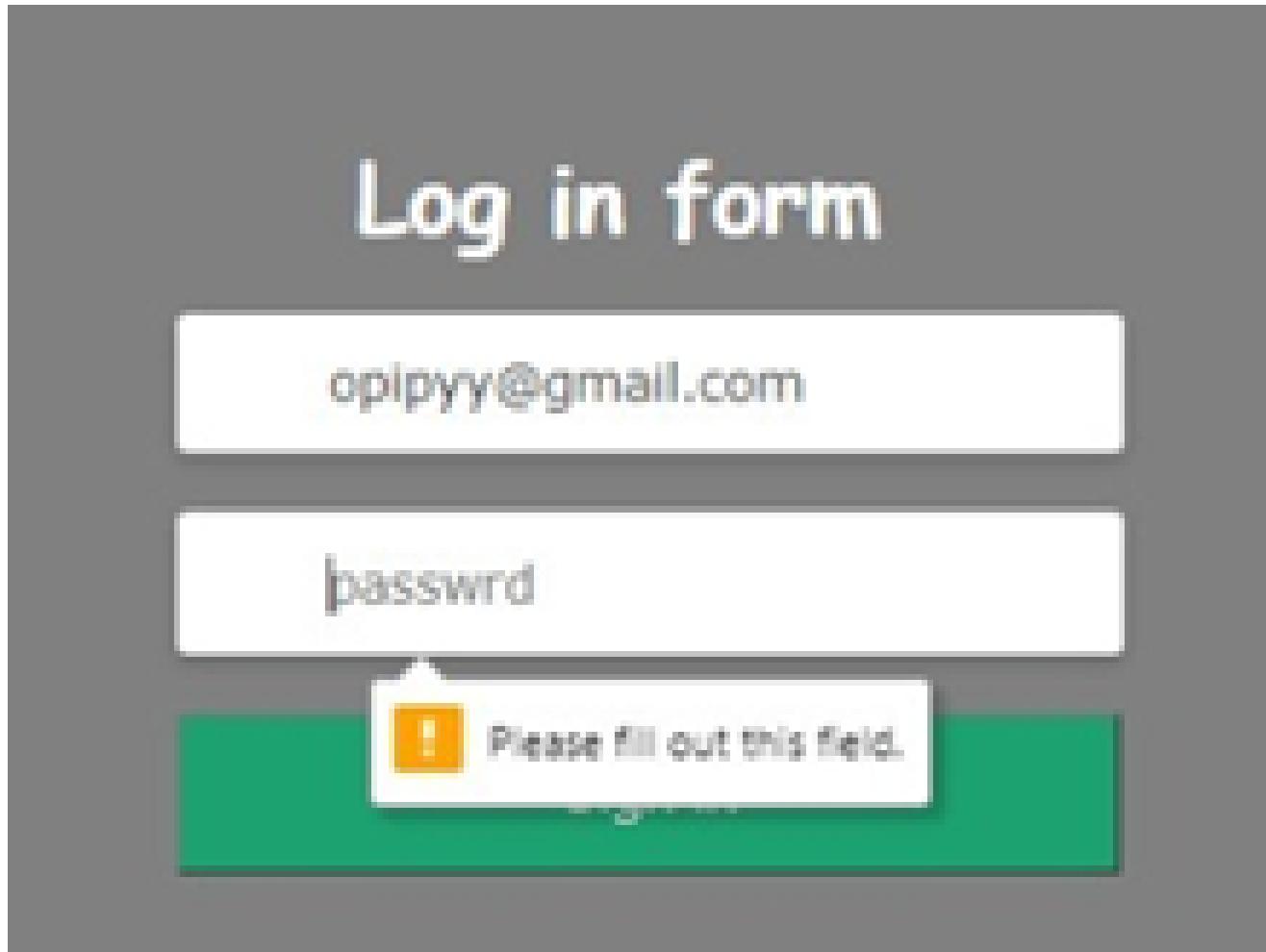
- If the user press sign in without enter any data

The screenshot shows a "Log in form" with a dark gray background. At the top, there is a text input field labeled "Email Address". Below it, a green button labeled "Sign in" is visible. A tooltip-like message box is overlaid on the input field, containing a yellow square icon with a red exclamation mark and the text "Please fill out this field." This indicates that the user has not entered any data into the email field.

Output :

Log in page

- If the user enter the email without enter the password



Output :

Log in page

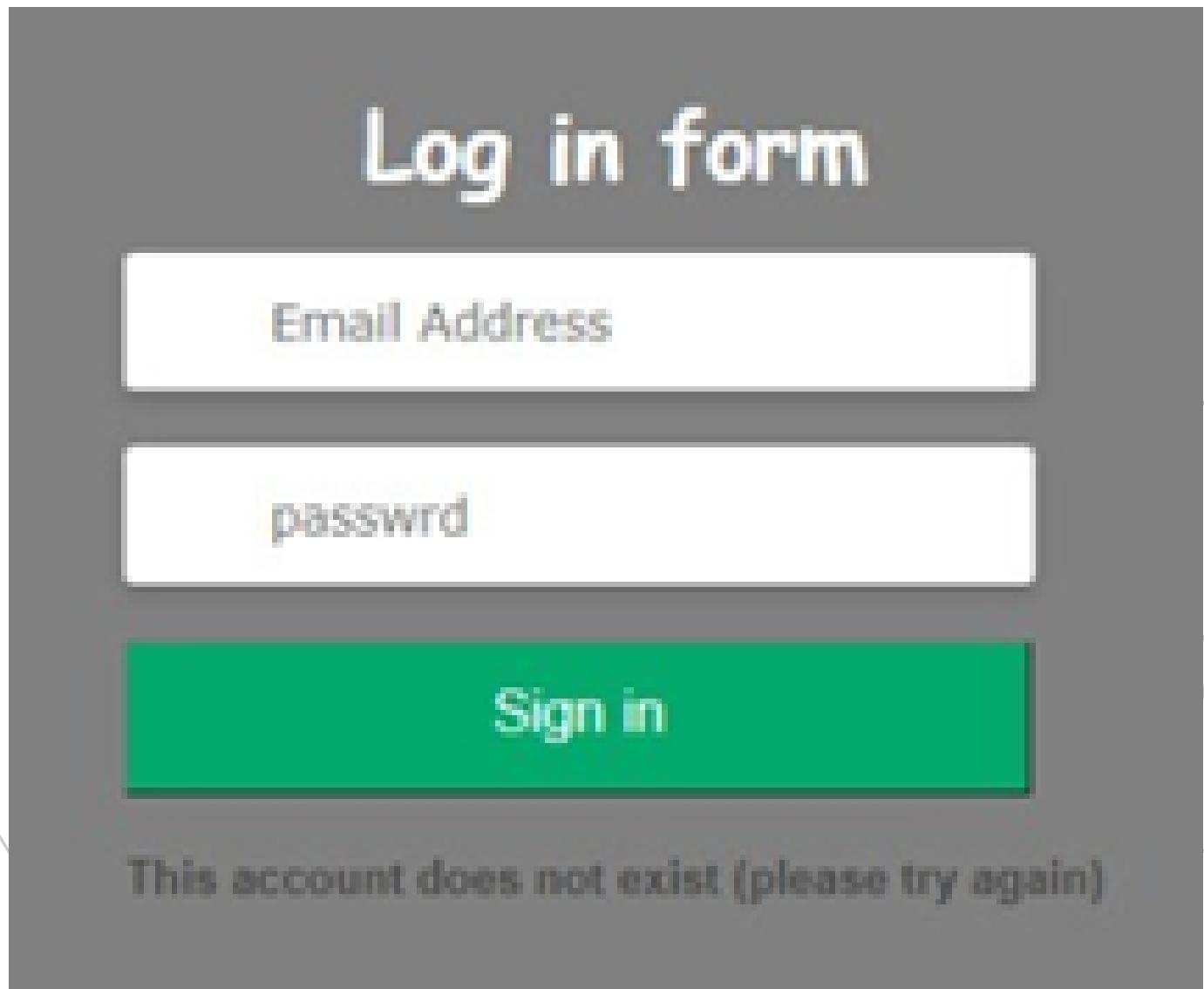
- If the user does not enter an email

The screenshot shows a "Log in form" with a dark gray background. At the top, the title "Log in form" is displayed in a stylized font. Below it is a white input field containing the text "mynamemail". To the left of this field is a small orange square icon with a white exclamation mark. A tooltip-like message box appears above the input field, containing the text "Please include an '@' in the email address. 'mynamemail' is missing an '@'." Below the input field is a green rectangular button with the text "Sign in" in white.

Output :

Log in page

- If the user enter data that is **not** in the database



Output :

- If the user entered correct data, will go to this page

Employee page

- If the user don't enter something and press Submit

The screenshot shows a web form titled "Employee information". The first field is labeled "Enter employee SSN:" and contains the placeholder text "SSN number". Below this field is a green button labeled "Submit". A white tooltip with a yellow border and an orange exclamation mark icon appears over the "Submit" button, containing the text "Please fill out this field." The background of the form is dark grey.

Output :

Employee page

- If the user enter a number is not existin database

The screenshot shows a web page titled "Employee information". At the top, there is a heading "Employee information" followed by a sub-instruction "Enter employee SSN:". Below this, there is a text input field labeled "SSN number" containing the placeholder text "SSN number". Below the input field is a green button labeled "submit". At the bottom of the page, there is a message in gray text that reads "there is no empleey with this ssn".

Employee information

Enter employee SSN:

SSN number

submit

there is no empleey with this ssn

Output :

Employee page

- If the user enter a correct number exist in the Database

Employee information

Enter employee SSN:

First name	Minit	Last name	SSN number	Birthday	SEX	SALARY	Super_SSN number	DNO
Jennifer	S	Wallace	987654321	1931-06-20	F	43000.00	123456789.0	4



What you learn from this project

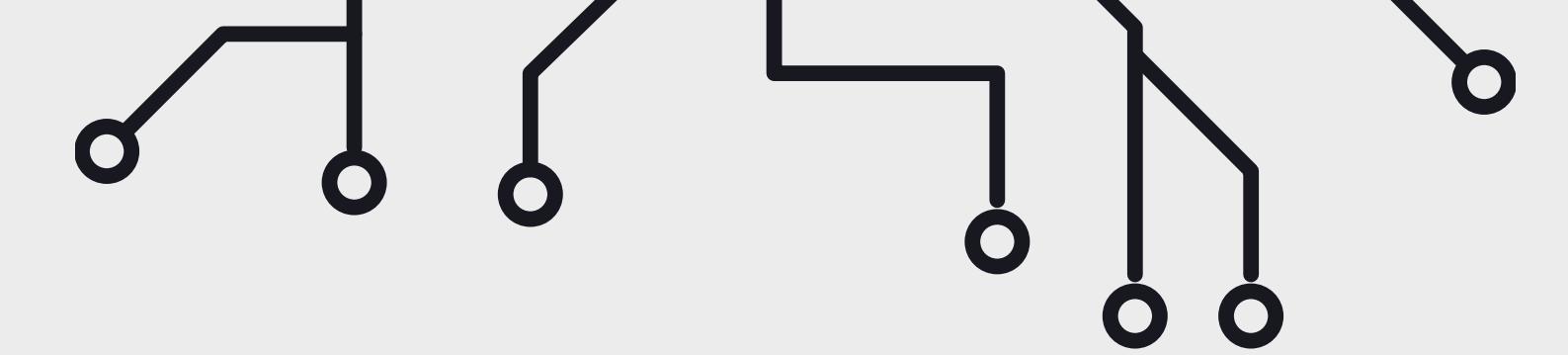
in this project, we learned :

- how to handle applications using a server-client framework approach to interact with SQL
- how to connect MYSQL (database) with the PHP page.
- how to fetch data from MySQL and display it on the HTML page
- how to handle errors in connection
- how to Motivate Teams to Work Together
- How to create great team collaboration and motivate each other
- how to organize time well



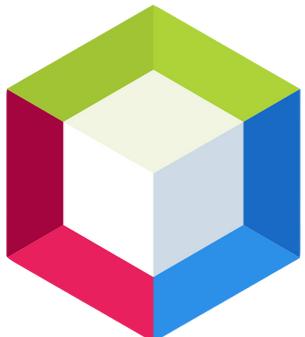
Obstacles that you face during the project

- The major obstacle was the connection between two different programming language
- The difficulty to learn new languages for us like HTML , CSS, and PHP in a short time
- The problems with opening the program on every member's computer, since we are a group and share every update
- The difficulty of finding a clear and easy learning resources
- Waste a lot of time on handling errors



Resources that you use during the implementation

Software and applications :



Apache NetBeans



XAMPP



python™



Visual Studio Code

Resources that you use during the implementation

Sources :

[1]

W3schools.com. "PHP mysqli fetch_row() Function," [Online]. Available:
https://www.w3schools.com/php/func mysqli_fetch_row.asp. [Accessed: 22-Apr-2022].

[2]

Stack Overflow. "Stack Overflow - where developers learn, share, & build careers," [Online]. Available:
<https://stackoverflow.com/>. [Accessed: 22-Apr-2022].

[3]

TheNewBaghdad, "39- php and MYSQL | | Database read," 24 قراءة من بقاعدة بيانات YouTube, 24-Mar-2016. [Online]. Available: <https://www.youtube.com/watch?v=cPH78fMkHnw>. [Accessed: 22-Apr-2022].

[4]

Hassouna Academy, "استدعاء الملفات الخارجية و التحقق " include , require , isset php & mysql 22," YouTube, 23-Dec-2017. [Online]. Available: <https://www.youtube.com/watch?v=nJTI-y45kp0>. [Accessed: 22-Apr-2022]

Resources that you use during the implementation

[5]

TheKasattack, "PHP MySQL Login Tutorial 1," , YouTube, 18-Jul-2012. [Online]. Available: <https://www.youtube.com/watch?v=9SdqRKhZwfY&list=PL712637B6CB66DB50>. [Accessed: 23-Apr-2022].

[6]

I. Romania, "Learn HTML - Free Interactive HTML Tutorial 1 - My first html page," , YouTube, 28-Sep-2017. [Online]. Available: https://www.youtube.com/watch?v=qk_PWBMKzFg&list=PLOCbT6ovSdd_szx6FJ_pr2n-Qq0npRZIf. [Accessed: 23-Apr-2022].

[7]

C. S. كاملة | حلقة # 02# html - دوره html - كودر شيار), "شرح (اساسيات لغة HTML," , YouTube, 20-Apr-2020. [Online]. Available: https://www.youtube.com/watch?v=VEbNrAUUqig&list=PLMTdZ61eBnyrKu8CI_bdrHgHv5xkGeRkk&index=3. [Accessed: 23-Apr-2022].

[8]

N. Homsi, "#02 انشاء سيرفر محلي على الجهاز - برنامج xxamp," , YouTube, 08-Jul-2016. [Online]. Available: <https://www.youtube.com/watch?v=w3wIdoh1I3M&list=PLPTNqXpQ2tbjjSZ8JQhyvok2s0LSeCh0R&index=2>. [Accessed: 23-Apr-2022].



Team rules

Lujain

- Create tables in mysql for login page
 - interface design code css+html for login page
 - search for resource to help
-

Alyaa

- connect php with data base for login page
 - writing query for login page
 - Audit and review
-

Dina

- Create tables in python for Employee information page
 - interface design code css+html for Employee information page
 - search for resource to help
-

Marwh

- connect php with data base for Employee information page + Contact login page with Employee information page
 - writing query for Employee information page
 - Audit and review
- we all worked on the report