

Clinic Registration



Group 10

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Demo

Project Aim

- Meet administration needs of a clinic
- Provide a common source of information
- Reduce the burden on receptionists
- Avoid waiting time for patients
- Help with social distancing during COVID

System Requirements

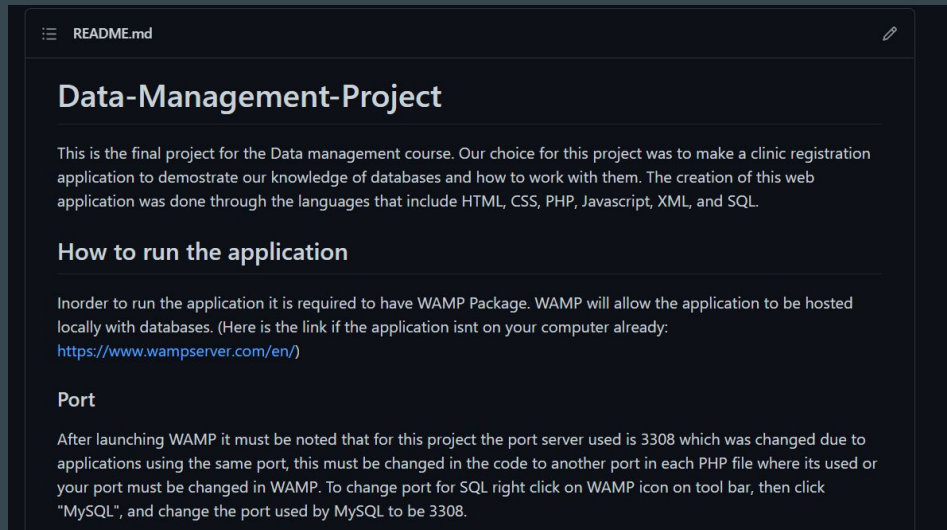
Hardware requirements:

Hard disk capacity of 40GB

Software requirements:

-Windows os or macOS

-WAMP server



Note: database/tables must be created When used for the first time.

Database Tables - 1

Logintable

<u>loginid</u>	username	email	pass
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Patientreg

<u>patientid</u>	firstname	lastname	phonenu mber	age	gender	dateOfBir th	usernam e	Email	pass	address
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doctorreg

<u>doctorid</u>	docfirstna me	doclastna me	docphone number	docage	docgende r	docdateO fBirth	usernam e	Email	pass	docaddre ss
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Database Tables - 1

appointments

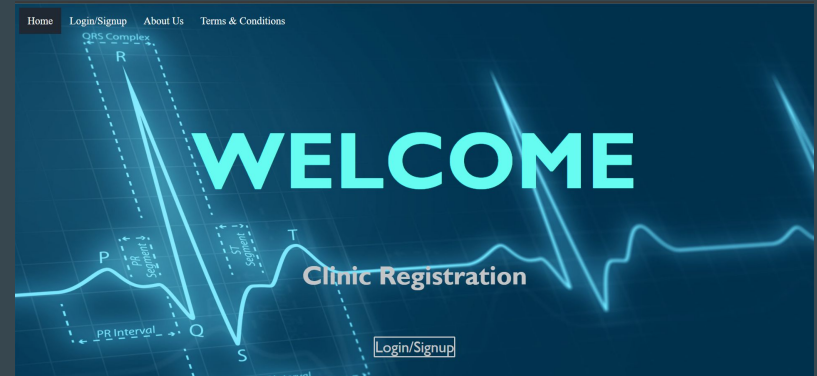
<u>appointmentid</u>	patientid	choosendate	time	doctorid
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Prescription

<u>prescriptionid</u>	patientid	doctorid	prescriptionname	start	end
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System Features - 1

- Animations (Javascript, CSS)



System Features - 2

- Restricted Input with placeholders (HTML input options and patterns)

```
<div class="inputField">
  <label>Last Name</label>
  <input type="text" placeholder="last name" class="input" name="lastname" required>
</div>

<div class="inputField">
  <label>Phone Number</label>
  <input type="tel" placeholder="XXX-XXX-XXXX" pattern="[0-9]{3}-[0-9]{3}-[0-9]{4}" class="input" name="phonenumber" required>
</div>

<div class="inputField">
  <label>Age</label>
  <input type="number" placeholder="Age" class="input" name="age" required>
</div>
```


System Features - 3

- Colours assign to each user (blue for patient and red for doctor)

Patient Registration Form


First Name

Last Name

Phone Number

Age

Gender

Date of Birth 

Address

☐ Agree to terms and conditions

Doctor Registration Form


First Name

Last Name

Phone Number

Age

Gender

Date of Birth 

Address

☐ Agree to terms and conditions

System Features - 4

- Queries passed through url to grab account info (PHP)

`clinicregistration/Doctor%20Form%20Page/index.php?email=email2@gmail.com`

- Unable to reuse emails (PHP)

```
$SELECT = "SELECT email From logintable Where email = ? Limit 1";
$INSERT = "INSERT Into logintable(username, email, pass) values(?,?,?)";

$stmt = $conn->prepare($SELECT);
$stmt->bind_param("s", $email);
$stmt->execute();
$stmt->bind_result($email);
$stmt->store_result();
$rnum = $stmt -> num_rows;

if($rnum==0){
    $stmt->close();

    $stmt = $conn->prepare($INSERT);
    $stmt->bind_param("sss", $username, $email, $pass);
    $stmt->execute();
    header("location:../Decision Page/index.php?email=$email");
} else{
    echo "Someone already used that email";
}
```

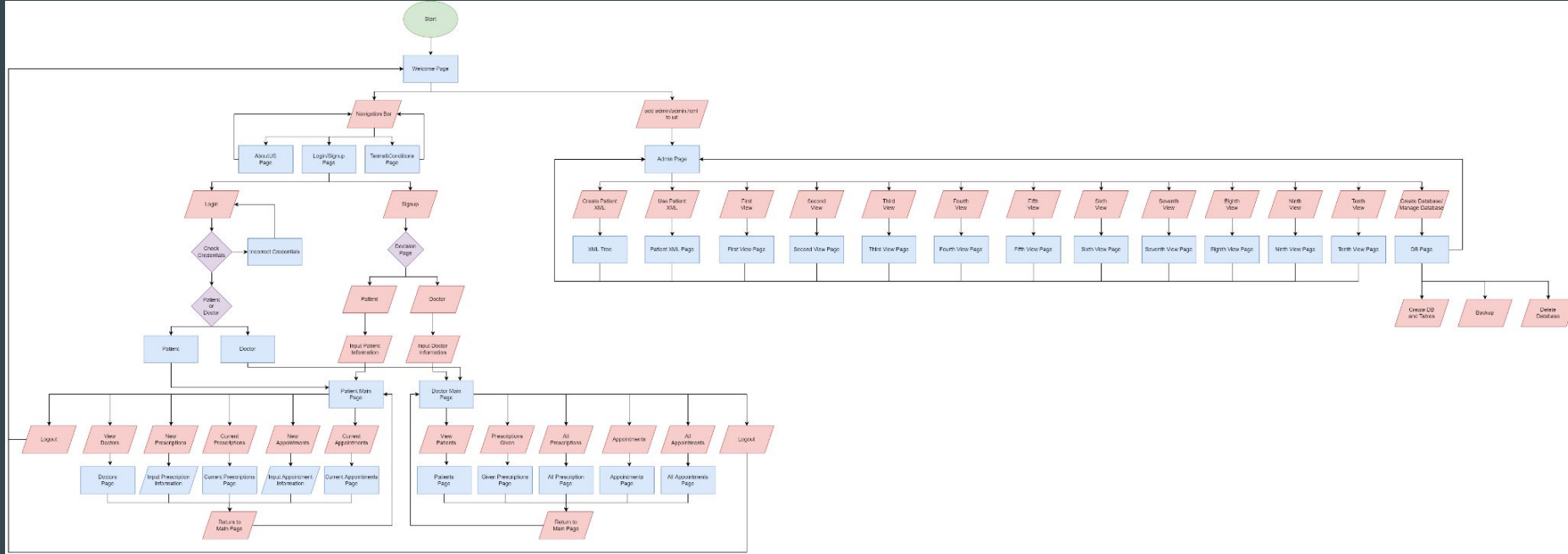
Someone already used that email

System Features - 5

- Dynamic tables (PHP and html)

2nd Amount of each of gender within patient table	
Count	Gender
1	Female
2	Male

Physical Overview of the System (System Flowchart)



Queries

-Question or data request made in a system

-2 types of queries made: “insert” and “reading”

```
$email = $_GET['email'];  
$host = "localhost";  
$dbUsername = "root";  
$dbPassword = "";  
$dbname = "clinicregistration";  
$portnumber = "3308";  
  
$conn = new mysqli($host, $dbUsername, $dbPassword, $dbname, $portnumber);  
  
$sql="SELECT * FROM patientreg WHERE email='$email'";  
  
$query = mysqli_query($conn, $sql);  
  
while($row=mysqli_fetch_array($query)){  
    $patientid = $row['patientid'];  
}  
  
$sql="SELECT * FROM appointments WHERE patientid='$patientid'";  
$result = mysqli_query($conn, $sql);
```

Conclusion

Challenges Encounters :

- Implementation and Learning XML
- Sending queries through URL
- Existing / already registered email accounts

Future Work Improvements :

- Replacement of email addresses
- Password Entry
- Remote Database

Conclusion

Overall Experience

- Insight into how database system works
- How a healthcare system facilitates information
- Management and Analysis process of constructing this project