

1. Mention the Admin and user functionalities of your project (just one line).

User: Post status, delete posts, signup, login, edit profile, delete account, upload images,

2. Describe the most difficult part/page of your project on server-side. For example, a page where you had to write complicated logic in PHP.

In home.php line 169 – 204

To take post and comment ID's from users and also delete them.

```

169 <?php
170     include("includes/database.php");
171     $query=mysqli_query($con,"SELECT * from post LEFT JOIN user on user.user_id = post.user_id order by post_id DESC");
172     while($row=mysqli_fetch_array($query)){
173         $posted_by = $row['firstname']." ".$row['lastname'];
174         $profile_picture = $row['profile_picture'];
175         $content=$row['content'];
176         $post_id = $row['post_id'];
177         $time=$row['created'];
178     }
179     <div id="right-nav1">
180         <div class="profile-pics">
181             <a href="friendprofile.php?user_id=10"><img src=?php echo $profile_picture ?>">/a>
182             <a href="friendprofile.php?id=?php echo $row['user_id'];??"><b><?php echo $posted_by ?></b></a>
183             <strong><?php echo $time = time_stamp($time); ?></strong>
184         </div>
185     <br />
186     <div class="post-content">
187         <div class="delete-post">
188             <a href="delete_post.php?php echo '?id='.$post_id; ?>" title="Delete post"><button class="btn-delete">X</button></a>
189         </div>
190         <p><?php echo $row['content']; ?></p>
191     </div>
192
193
194 <?php
195     include("includes/database.php");
196     $comment=mysqli_query($con,"SELECT * from comments where post_id='$post_id' order by post_id DESC");
197     while($row=mysqli_fetch_array($comment)){
198         $comment_id=$row['comment_id'];
199         $content_comment=$row['content_comment'];
200         $time=$row['created'];
201         $post_id=$row['post_id'];
202         $user=$_SESSION['id'];
203
204     }
205
206     <div class="comment-display"><?php echo $comment_id ?>>
207         <div class="delete-post">
208             <a href="delete_comment.php?php echo '?id='.$comment_id; ?>" title="Delete your comment"><button class="btn-delete">X</button></a>
209         </div>
210         <div class="user-comment-name"><img src=?php echo $row['image']; ?>>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~<?php echo $row['name']; ?>> <div class="time-comment"><?php echo $time = time_stamp($time); ?></div>
210         <div class="comment"><?php echo $row['content_comment']; ?></div>

```

3. Describe an instance/use-case of Javascript on your project.

Used JavaScript to validate user inputs on signup.php for their first and lastname, phone number and email.

The file is valid.js

```
var firstname = document.forms['form']['firstname'];
var lastname = document.forms['form']['lastname'];
var number = document.forms['form']['number'];
var email = document.forms['form']['email'];
var gender = document.forms['form']['gender'];

var name_error = document.getElementById('name_error');
var email_error = document.getElementById('email_error');
var number_error = document.getElementById('number_error');
var gender_error = document.getElementById('gender_error');

function validated(){
    'use strict';
    if (firstname.value.length < 5 || firstname.value.length > 30) {
        firstname.style.border = "1px solid red";
        firstname_error.style.display = "block";
        firstname.focus();
        return false;
    }
    if (lastname.value.length < 5 || lastname.value.length > 30) {
        lastname.style.border = "1px solid red";
        lastname_error.style.display = "block";
        lastname.focus();
        return false;
    }
    if (number.value.length < 10 || number.value.length > 15) {
        number.style.border = "1px solid red";
        number_error.style.display = "block";
        number.focus();
        return false;
    }
}

function firstname_Verify(){
    'use strict';
    if (firstname.value.length > 5 && firstname.value.length < 20) {
        firstname.style.border = "1px solid silver";
        firstname_error.style.display = "none";
        return true;
    }
}

function lastname_Verify(){
    'use strict';
    if (lastname.value.length > 5 && lastname.value.length < 20) {
        lastname.style.border = "1px solid silver";
        lastname_error.style.display = "none";
        return true;
    }
}

function email_Verify(){
    if (email.value.length >= 8) {
        email.style.border = "1px solid silver";
        email_error.style.display = "none";
        return true;
    }
}

function number_Verify(){
```

4. Write the most complex sql query you used on your project and which page uses it?

home.php it is with the complicated php code, picture is posted on question #2.

5. Give an example of a page where you used client and server-side validation. What are your opinions about using both validations?

signup.php and signup_form.php and verify.js

I think that client-side validations are just there to validate blank inputs, since they cannot be used to check certain inputs like if an user gives a phone number of 20 digits or etc.

Server-side validations are the real deal. They can be used to verify almost everything, and even check for an identical email or username in the database.

```
<?php
include ('includes/database.php');

if (isset($_POST['submit']))
{
    $firstname=$_POST['firstname'];
    $lastname=$_POST['lastname'];
    $username=$_POST['username'];
    $username2=$_POST['username2'];
    $birthday=$_POST['day']. "/" . $_POST['month']. "/" . $_POST['year'];
    $gender=$_POST['gender'];
    $number=$_POST['number'];
    $email=$_POST['email'];
    $email2=$_POST['email2'];
    $password=$_POST['password'];
    $password2=$_POST['password2'];

    $sql=mysqli_query($con,"select * from user WHERE email='$email'");
    $row=mysqli_num_rows($sql);
    if ($row > 0)
    {
        echo "<script>alert('Sorry, this email is already taken. Please enter another email.');" window.location.href='signup.php';</script>";
    }
    elseif($email != $email2)
    {
        echo "<script>alert('Emails do not match. Please try again.');" window.location.href='signup.php';</script>";
    }
    elseif($username != $username2)
    {
        echo "<script>alert('Usernames do not match. Please try again.');" window.location.href='signup.php';</script>";
    }
    elseif($password != $password2)
    {
        echo "<script>alert('Passwords do not match. Please try again.');" window.location.href='signup.php';</script>";
    }
    else
    {
        mysqli_query($con,"INSERT INTO user (firstname,lastname,username,username2,birthday,gender,number,email,email2,password,password2)
        VALUES ('$firstname','$lastname','$username','$username2','$birthday','$gender','$number','$email','$email2','$password','$password2')");
        echo "<script>alert('Account successfully created!');" window.location='signin.php'</script>";
    }
}

?>
```

As you can see, else if statements are used here to match emails and usernames and email is also being check here from the database to see if there is an identical email.

6. Shortly describe how you managed the different users after login. For example, how you stored the user ids or information over cookies or/and sessions. Also, describe how did you differentiate or handle user and admin functionalities.

included session_start() in every page, for validation I put isset and if !isset, it takes you back to index.php If it is the current user, fetch user data from database.
Check session.php in /includes.

7. Which page has a file upload component? How did you use the uploaded file?

profile.php/editprofile.php

```
<?php include ( 'session.php' );?>

<form method="post" enctype="multipart/form-data">
<input type="file" name="image">
<input type="submit" value="save" name="image" />
<?php

    include ('includes/database.php');

    if (!isset($_FILES['image']['tmp_name'])) {
        echo "";
    }else{
        $file=$_FILES['image']['tmp_name'];
        $image = $_FILES["image"] ["name"];
        $image_name= addslashes($_FILES['image']['name']);
        $size = $_FILES["image"] ["size"];
        $error = $_FILES["image"] ["error"];

        if ($error > 0){
            die("Error uploading file! Code $error.");
        }else{
            if($size > 10000000)
            {
                die("Format is not allowed or file size is too big! Please use another image.");
            }
            else
            {
                move_uploaded_file($_FILES["image"]["tmp_name"],"upload/" . $_FILES["image"]["name"]);
                $location="upload/" . $_FILES["image"]["name"];
                $user=$_SESSION['id'];
                $update=mysqli_query($con,"UPDATE user SET profile_picture = '$location' WHERE user_id='$user'");
                $update1=mysqli_query($con,"UPDATE comments SET image = '$location' WHERE user_id='$user'");

            }
            header('location:home.php');
        }
    }
?>
</form>
```

isset is used here to save the name and size of the image and the image. Validation is also used here to check the size of the image. When the image gets uploaded, it gets moved to the 'upload' folder and it is saved there. Then the user's profile picture changes from both the comment section and the profile.

8. Did you use Pagination (data on multiple pages)? If yes, mention the page where it is available.

No.

9. Did you implement Search operation using a SQL query? If yes, mention the page where it is available.

Yes, I did use it in home.php(line 171, 196,223, session.php (line 10), message.php(line 105)

~~No.~~

10. How did you handle delete operations in your project?

This step to delete comments/posts.

Got the comment id and deleted it.

```
home.php
include('includes/database.php');
$get_id = $_GET['id'];

// sending query
mysqli_query($con,"DELETE FROM comments WHERE comment_id = '$get_id'");
header("Location: home.php");

?>
```

This step to delete everything about the user from the database. Got the user_id from the database and delete everything about that user from the database.

```
<!DOCTYPE html>
<html>
<head>
<title> BeeFriends </title>
</head>
<body>

<?php
include("includes/database.php");
include("session.php");

$query = mysqli_query($con,"DELETE FROM user WHERE user_id='$id'");
echo "Account successfully deleted.";
?>

</body>
</html>
```

11. Which web component (HTML, JS, CSS, PHP, DB) you feel is the most difficult? Why?

I feel like PHP is the most difficult part because PHP is the soul of a running website whereas HTML and CSS are just the bodies. PHP is also difficult because most of the code gets carried throughout the whole website, and it is hard to keep track it. Another difficult part is if an error is made, it does not really describe how to fix that error, like it does on HTML or CSS.

12. What is the most interesting part of this course that you enjoyed learning? Why?

The assignments were the most interesting because I got to learn how to make a functional responsive portfolio site. However, I feel like we needed more time for the project.