

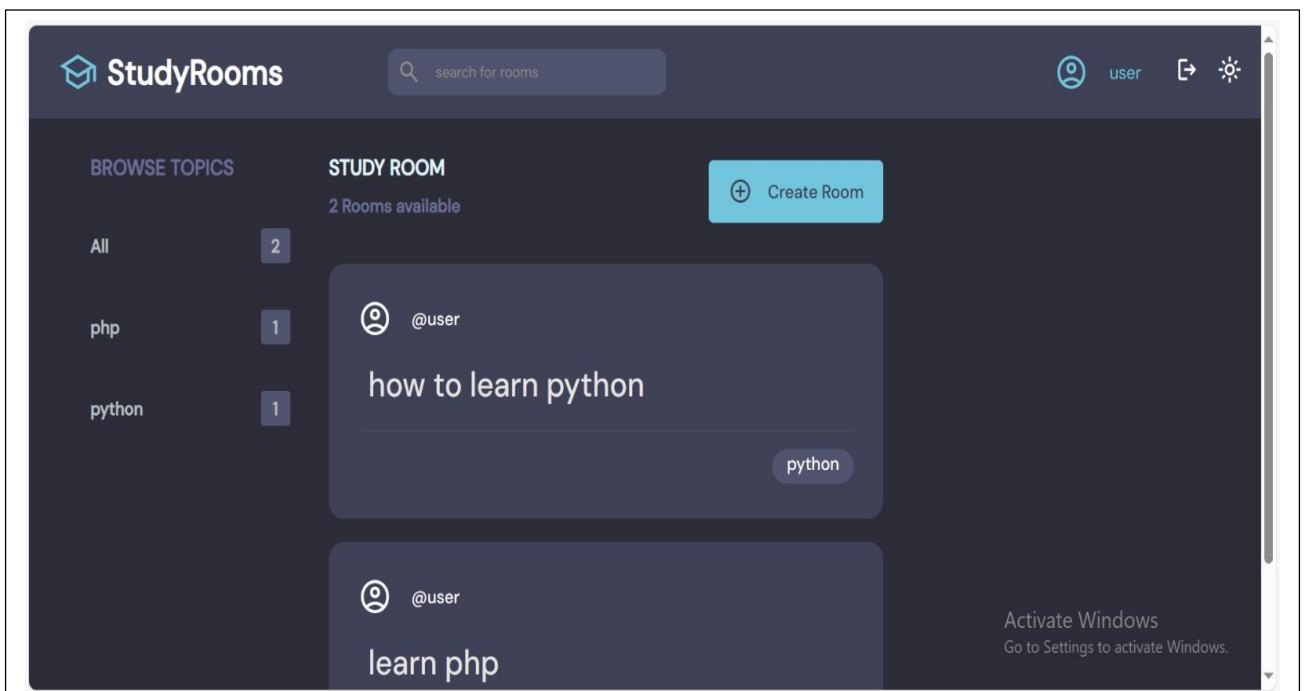
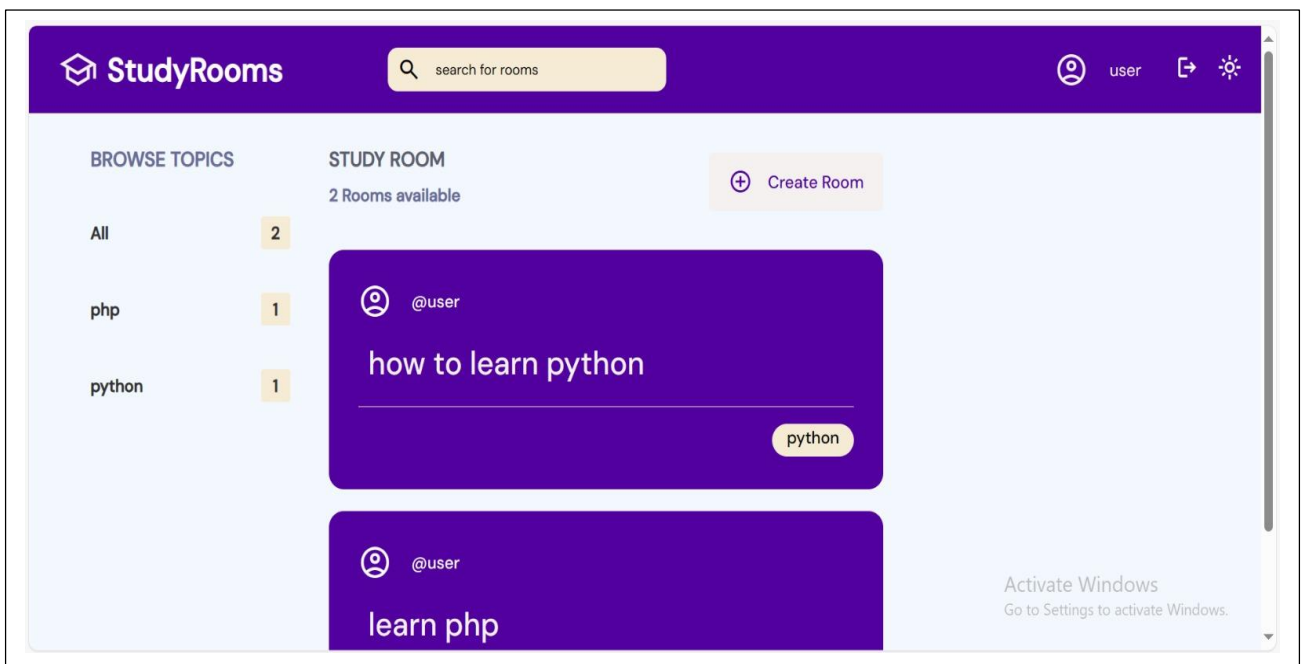
## **WEB – Assignment 2**

## Task 1:

- a. Write java script code to enhance your HTML page using any of javascript DOM files, string functions, Math objects, variables or all of them.

This JavaScript code adds a click event listener to an HTML element with the ID "dark". When this element is clicked, it toggles the presence of the CSS class "dark\_mode" on the body element of the HTML document. This enables switching between light and dark modes for the webpage.

```
var dark = document.getElementById("dark");
dark.onclick = function() {
    document.body.classList.toggle("dark_mode");
}
```



## b. Construct your front-end and back-end page using php,html,javascript.

### ❖ HTML

```
home.php X
home.php > html > body
7 <html>
8   <head>
9     <title>StudyRooms</title>
10    <link rel="stylesheet" href="newcss.css">
11    <link rel="stylesheet" href="https://fonts.googleapis.com/css2?family=Material+Symbols+Outlined:opsz,wght,FILL,
12    <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
13    <link href="https://fonts.googleapis.com/css2?family=Alfa+Slab+One&family=DM+Sans:wght@400;500&family=Roboto:it
14    <link rel="stylesheet" href="https://fonts.googleapis.com/css2?family=Material+Symbols+Outlined:opsz,wght,FILL,
15    <link rel="stylesheet" href="https://fonts.googleapis.com/css2?family=Material+Symbols+Outlined:opsz,wght,FILL,
16  </head>
17
18  <body>
19    <header class="header">
20      <div class="header-content">
21        <a class="logo" href="#">
22          <span class="material-symbols-outlined" style="font-size: 40px; margin-right: 10px; animation-name: transform;
23            animation-duration: 0.5s; animation-delay: 0.3s;">
24            school
25          </span>
26          <span style="color: white;">StudyRooms</span>
27        </a>
28
29        <form method="get" class="search">
30          <span style="color: var(--color-gray);" class="material-symbols-outlined">
31            search
32          </span>
33          <input type="search" placeholder="search for rooms">
34        </form>
35      </div>
36    <div class="profile">
37
```

A space-separated list of the classes of the element. Classes allows CSS and JavaScript to select and access specific elements via the [class selectors](#) or functions like the method [Document.getElementsByClassName\(\)](#) .

MDN Reference

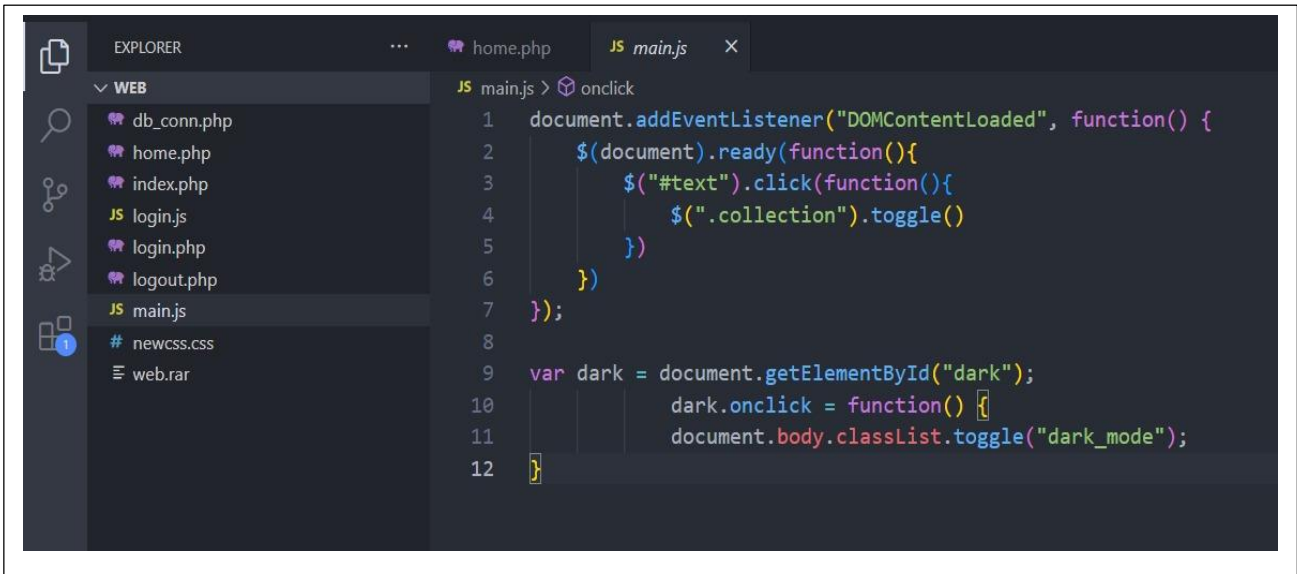
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### ❖ PHP

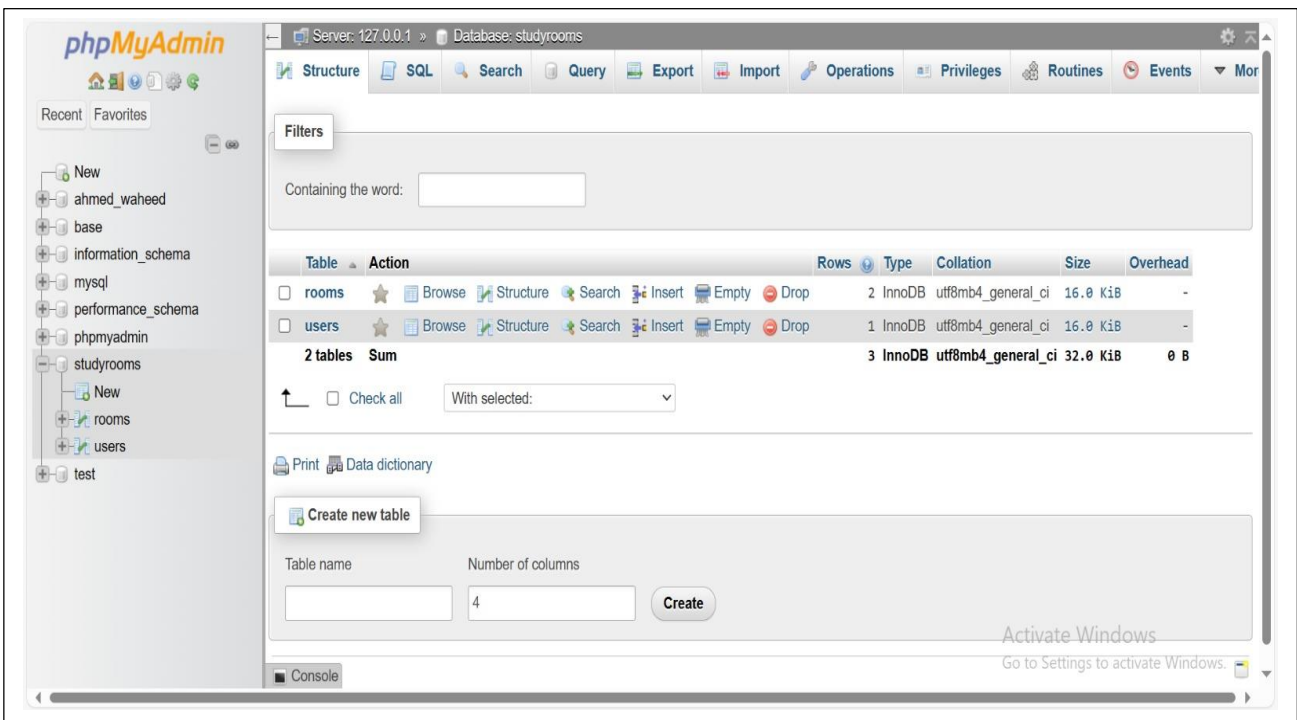
```
home.php login.php X
login.php > ...
1 <?php
2
3 session_start();
4 include "db_conn.php";
5
6 if (isset($_POST['username']) && isset($_POST['password'])){
7   function validate($data){
8     $data = trim($data);
9     $data = stripslashes($data);
10    return $data;
11  }
12
13
14 $username = validate($_POST['username']);
15 $password = validate($_POST['password']);
16
17 if (empty($username)){
18   header("Location: index.php");
19   exit();
20 }
21 else if (empty($password)){
22   header("Location: index.php");
23   exit();
24 }
25
26 $sql = "SELECT * FROM users WHERE username='$username' AND password='$password'";
27
28 $result = mysqli_query($conn, $sql);
29
30 if (mysqli_num_rows($result) == 1){
31   $row = mysqli_fetch_assoc($result);
32   if ($row['username'] == $username && $row['password'] == $password){
33
```

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## ❖ JAVA SCRIPT



## ❖ DATABASE

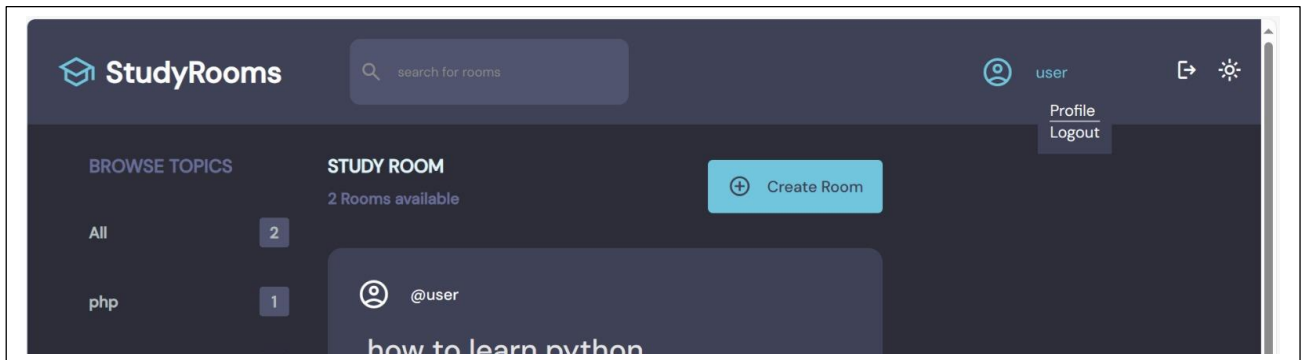


## Task 2:

- a. Improve your code functionality with other advanced technologies such as AJAX or JQuery to adapt business needs.

Use jQuery to add a click event listener to an element with the ID "text". When this element is clicked, it toggles the visibility of elements with the class "collection". This allows for showing or hiding elements on the webpage based on user interaction.

```
document.addEventListener("DOMContentLoaded", function() {  
    $(document).ready(function(){  
        $("#text").click(function(){  
            $(".collection").toggle()  
        })  
    })  
});
```



- b. Present your built interactive page current used technologies, and future extension.

### Used technologies:

#### ❖ Front end:

- HTML
- CSS
- JAVA Script
  - JQuery
  - DOM

#### ❖ Back end:

- PHP
- database with phpmyadmin

### Future extension:

- ❖ use AJAX in searching filter

## LOGIN

Username

user

Password

\*\*\*\*\*

Login

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## BROWSE TOPICS

All

2

php

1

python

1

## STUDY ROOM

2 Rooms available

 Create Room @user

how to learn python

python

 @user

learn php

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