JSS MAHAVIDYAPEETHA

JSS Science and Technology University

“PAIDEIA”

BACHELOR OF ENGINEERING IN

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

BY

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Team No : 13

Area : Web Application

Title of the Mini-Project : Paideia (E-dult)

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Problem statement of the Project

How can we create engaging and informative social media content that will appeal to people over 40 and to make it easy for them to find and access knowledge resources on social media.

Aim

The main aim for creating an Elderly Education website is to offer flexible, accessible , and personalized learning opportunities to promote personal and professional development. And to provide the platform for adults to learn , acquire new skills, promote lifelong learning.

Solution

Create short, engaging videos that demonstrate the different skills in required specific domains. Using visuals to help people understand the concepts, breaking down complex tasks into smaller, more manageable steps and explaining them through videos, audios, etc , Provide clear and concise instructions. Encourage people to ask questions and get feedback . Use social media to create a community of learners who can support each other.

Objectives

Effective social customer service

Generating Leads

Encouraging Enagagement

Learning Process

Litearature Review

We are trying to design a website for adults as there aren't many platforms that are focused on providing knowledge mainly for adults. But there are many theories and reports which explain its necessity. Even government comes up with many schemes for adult education but none of them are implemented properly. This website is aimed at providing a free platform for interested people to improve their skills. There are platforms that already exist such as udemy, coursera,etc specifically for learning new technical and other skills. But all the courses on such platforms are paid ones. There are also platforms which we use for free for learning, such as youtube. But such platforms are filled with advertisements. It is not possible to watch a video that is 5-10 minutes long without getting distracted by an adverstisement.

A study by the Pew Research Center found that 62% of adults in the United States use social media to get news and information, and 56% use it to learn about new products and services. Also in other countries there is a need for the website to improve the skills and knowledge of the people above 50 years. It provides a medium to interact with other people and reduce their solitude by utilizing the time effectively by learning new skills. The main reason of using a website for knowledge is that it can help to reach a wider audience, it creates interactive and engaging learning experiences, ask questions, stay up-to-date on current events and connect with other learners.

Older adults are a growing population and are increasingly interested in lifelong learning. This is due to a number of factors, including longer lifespans, better health, and the desire to stay active and engaged in society.

There is a wide range of educational opportunities available to older adults, including formal courses, informal learning, and online learning. Formal courses are typically offered by colleges and universities, but there are also a number of other organizations that offer courses for older adults, such as community centers, libraries, and museums. Informal learning can take place in a variety of settings, such as through volunteering, travel, or hobbies. Online learning is a growing trend in elderly education, as it offers flexibility and convenience.

There are a number of factors that can influence the success of elderly education, including the learner's motivation, health, and learning style. It is important to tailor educational programs to the specific needs and interests of older adults.

There is a growing body of research on the benefits of elderly education, including improved cognitive function, mental health, and social well-being. Education can also help older adults to stay active and engaged in society, which can lead to a better quality of life.

Here are some of the instructional strategies that have been found to be effective for older adult learners:

- Repetition: Older adults may need more repetition to learn new information.
- Variety: Educational programs should offer a variety of activities and learning styles to appeal to different learners.
- Collaboration: Older adults often enjoy learning in groups, so collaborative learning can be an effective strategy.
- Real-world applications: Educational programs should focus on topics that are relevant to the learner's life and interests.
- Flexibility: Educational programs should be flexible to accommodate the needs of older adults, such as offering classes during the day or evening, or providing online learning options.

Overall, the literature review on elderly education suggests that there are a number of benefits to lifelong learning for older adults. Educational programs that are tailored to the

specific needs and interests of older adults can be an effective way to improve cognitive function, mental health, and social well-being.

ABOUT US

Drawing inspiration from the Greek method of education, our programs emphasize the importance of intellectual inquiry, creativity, and experiential learning. We believe that education is a lifelong journey, and we're committed to helping people achieve their personal goals at every stage of your life. That's why we offer a wide range of programs and initiatives designed specifically for adult learners, including vocational training programs, language classes, and more. Whether you're a busy professional looking to acquire new skills while balancing work and family commitments, or a retiree looking to explore new interests and passions, we have programs that can meet your needs.

Key Factor we Focus On

Holistic Learning

Knowledge or skills. Adult education programs should focus on developing the whole person, rather than simply providing.

Inquiry-Based Learning

Learning is seen as a process of inquiry and exploration, rather than just the acquisition of knowledge.

Experiential Learning

The Greek method of education emphasizes the importance of experiential learning, where learners actively engage with the material they are studying.

Socratic Method

The Socratic method is a key aspect of the Greek method of education, where learners engage in dialogue and debate with their peers and instructors to deepen their understanding of a subject.

Community

In the Greek method of education, learning is seen as a communal activity, where learners collaborate and learn from one another.

AUDIENCE

It is important to note that Paideia's programs are designed to be inclusive and accessible to a wide range of individuals, regardless of their background, age, or previous educational experience. The organization welcomes anyone with a genuine interest in learning and personal development.

Above 38

Paideia offers a diverse range of programs and opportunities for individuals above 38 to continue learning, grow personally and professionally, connect with others, and find fulfillment in their pursuit of knowledge and self-improvement.

Above 60

Individuals above 60 can continue to learn, grow, engage with others, and find personal fulfillment during retirement. It's a time to embrace new opportunities, discover new interests, and make the most of the post-retirement phase with Paideia. It's never too late to embark on a journey of personal growth and lifelong learning with Paideia.

METHODOLOGY

Respect the learners' experience and knowledge. Older adults have a wealth of knowledge and experience that can be drawn upon in the learning process. Teachers should create a learning environment that values and respects this knowledge, and that encourages learners to share their experiences with each other.

Tailor the learning to the learners' needs and interests. Older adults have different needs and interests than younger learners. Teachers should tailor the learning to the specific

needs and interests of the learners in their class. This may involve offering a variety of learning activities, or focusing on topics that are relevant to the learners' lives.

Use a variety of teaching methods. Older adults may learn best in different ways. Some may prefer to learn by listening, while others may prefer to learn by doing. Teachers should use a variety of teaching methods to ensure that all learners can participate and learn effectively.

Provide opportunities for social interaction. Older adults often benefit from social interaction. Teachers should provide opportunities for learners to interact with each other, both in and out of the classroom. This can help to keep learners motivated and engaged in the learning process.

Make the learning process enjoyable. Learning should be enjoyable for older adults. Teachers should create a learning environment that is relaxed and welcoming, and that encourages learners to take risks and try new things.

Here are some specific teaching methods that are effective for elderly education:

- Group work. Group work allows learners to share their knowledge and experiences with each other, and to learn from each other.
- Problem-based learning. Problem-based learning involves giving learners a problem to solve, and then providing them with the resources they need to solve the problem. This method is effective for elderly learners because it allows them to apply their knowledge and skills to real-world problems.
- Experiential learning. Experiential learning involves giving learners hands-on experiences that help them to learn. This method is effective for elderly learners because it allows them to learn by doing.
- Technology-based learning. Technology-based learning can be a valuable tool for elderly education. There are many educational apps and websites that are designed specifically for older adults.

It is important to note that there is no one-size-fits-all methodology for elderly education. The best methodology will vary depending on the specific needs and interests of the learners. However, the principles outlined above can help to create a learning environment that is effective and enjoyable for older adults.

PROGRAMS

It's important to note that the specific programs offered by Paideia may vary over time and based on location. The organization continuously develops new programs to meet the evolving needs and interests of adult learners, providing a dynamic and enriching learning experience.

Few of the programs

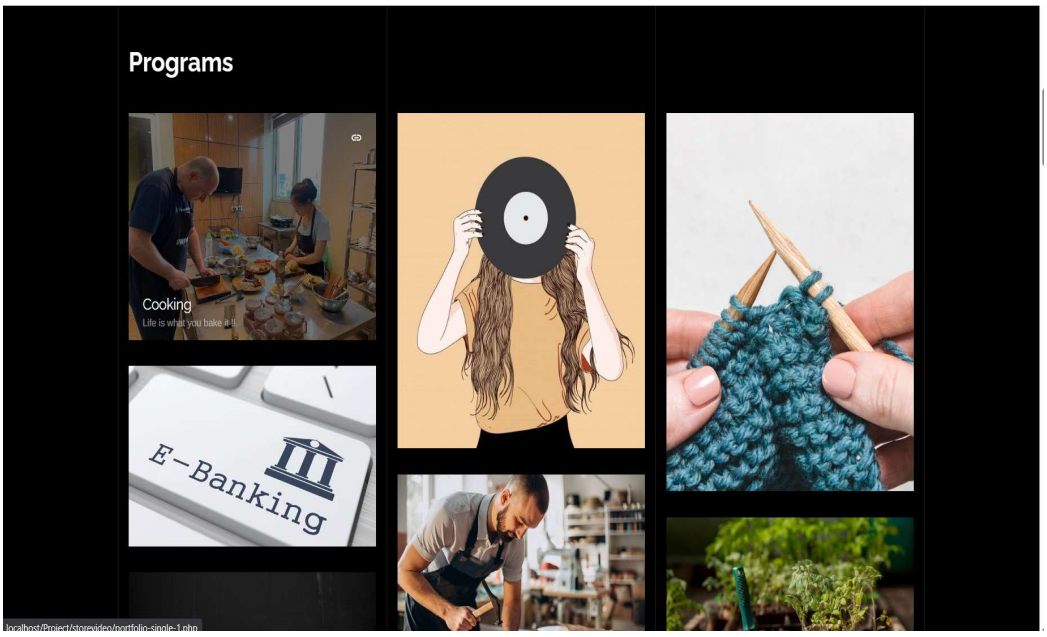
- Cooking
- Knitting
- Music
- Gardening
- Beauty
- Dance
- Banking
- Building/Fixing

IMPLEMENTATION

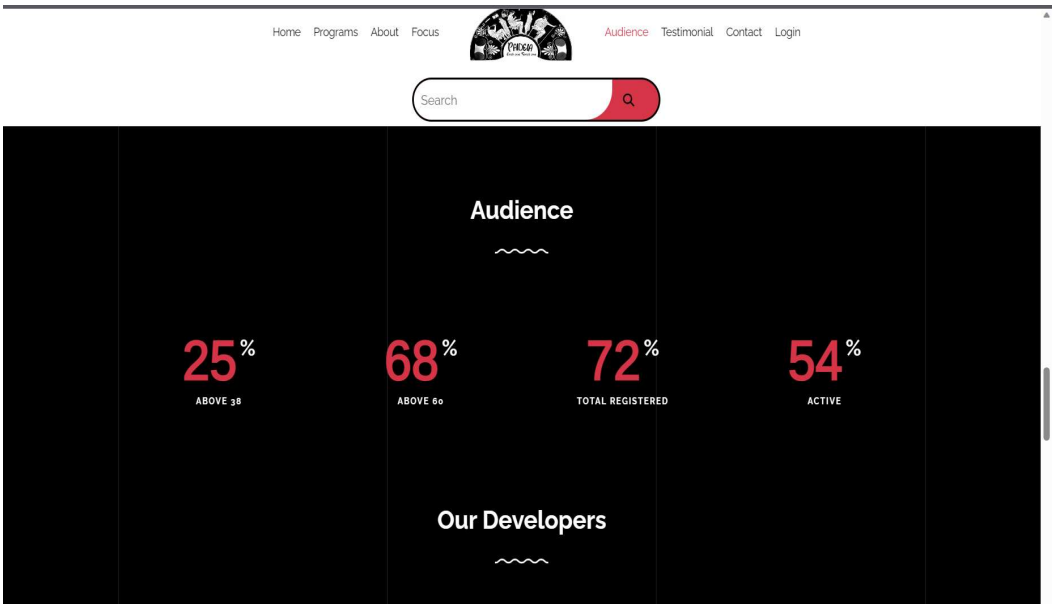
Home Page

About Us

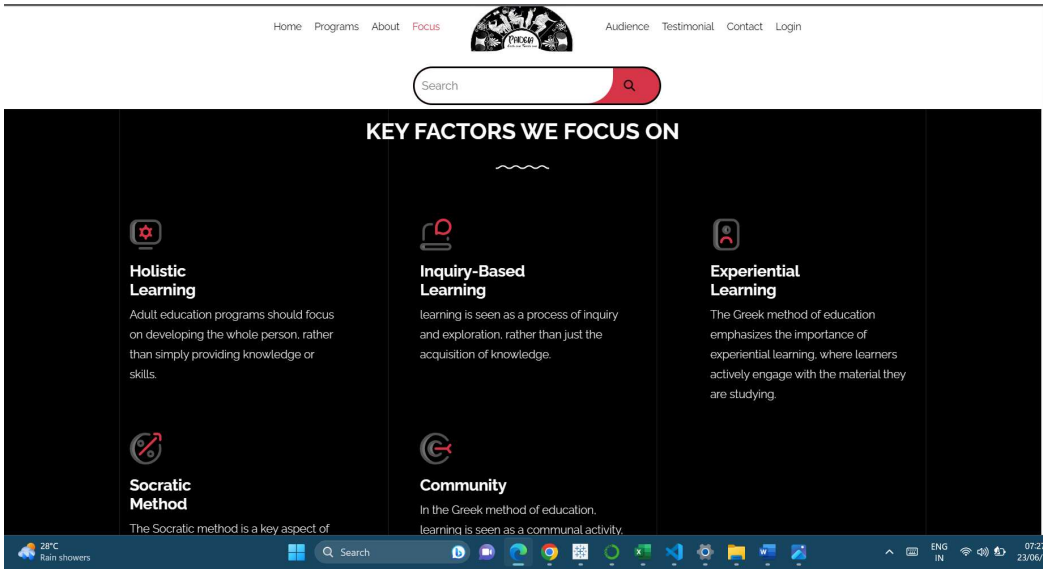
Programs Section



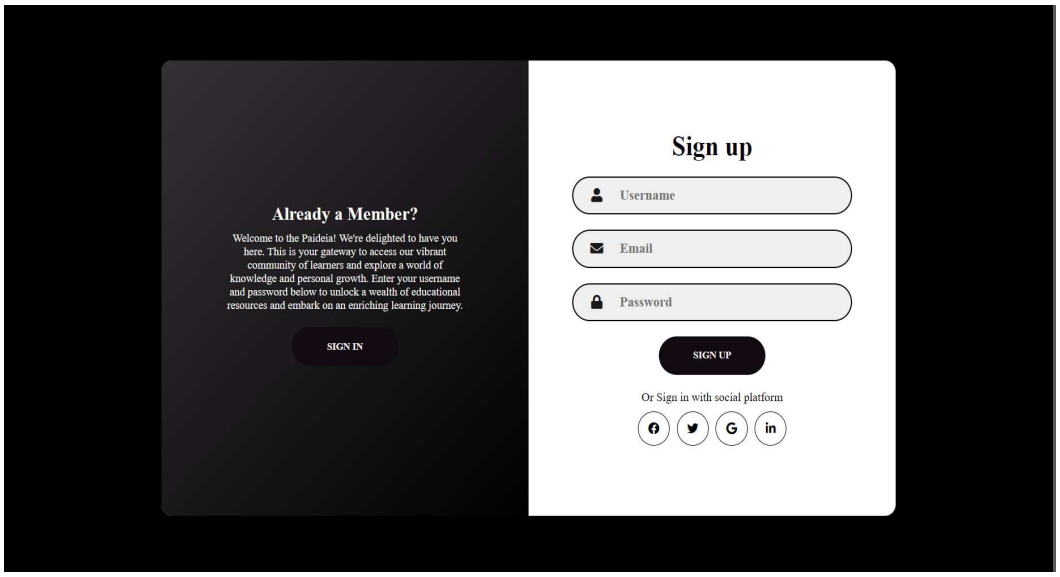
Audience

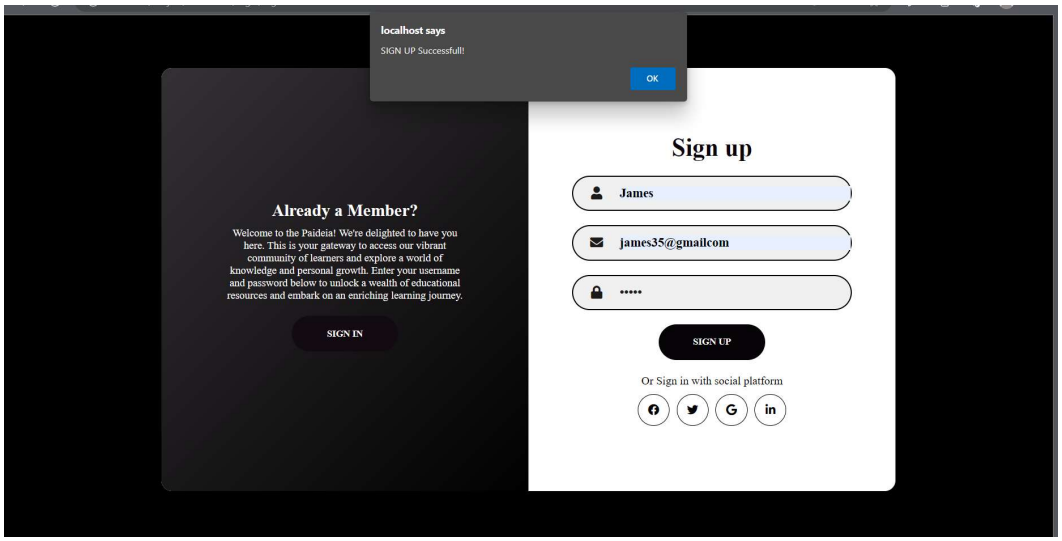


Key factors we focus on



Sign up page

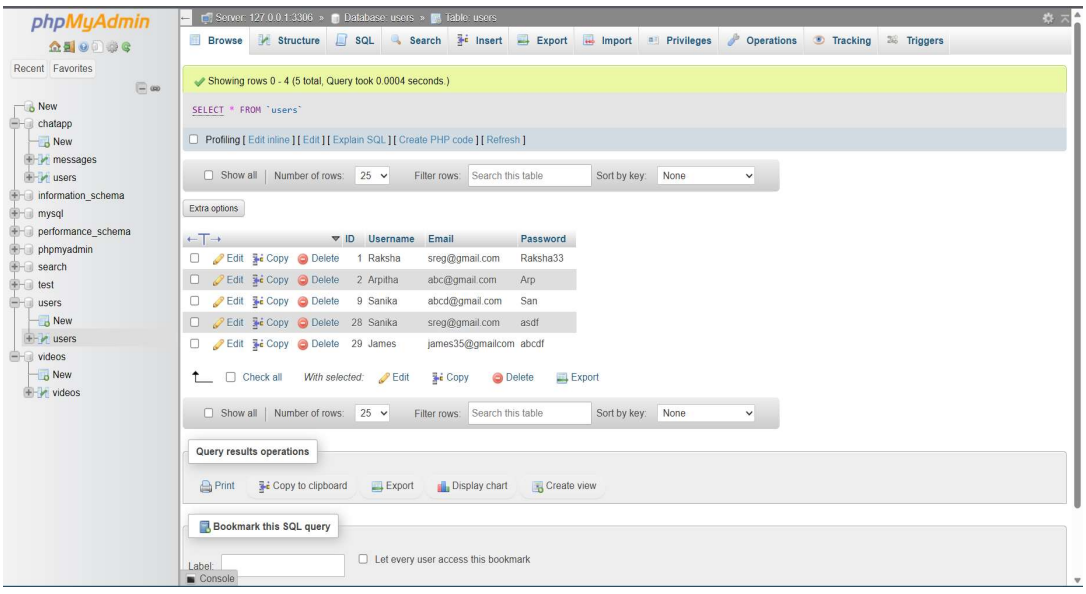

Already a Member?
Welcome to the Paideia! We're delighted to have you here. This is your gateway to access our vibrant community of learners and explore a world of knowledge and personal growth. Enter your username and password below to unlock a wealth of educational resources and embark on an enriching learning journey.
SIGN IN
Sign up
Username
Email
Password
SIGN UP
Or Sign in with social platform


localhost says
SIGN UP Successfull!
OK
Already a Member?
Welcome to the Paideia! We're delighted to have you here. This is your gateway to access our vibrant community of learners and explore a world of knowledge and personal growth. Enter your username and password below to unlock a wealth of educational resources and embark on an enriching learning journey.
SIGN IN
Sign up
James
james35@gmailcom
•••••
SIGN UP
Or Sign in with social platform

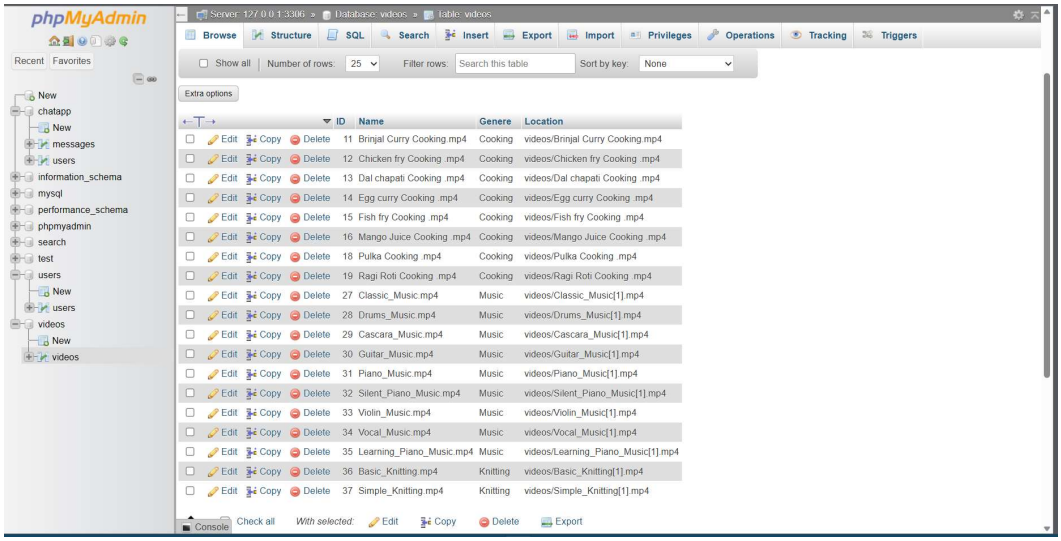
Profile Page

Data stored in backend

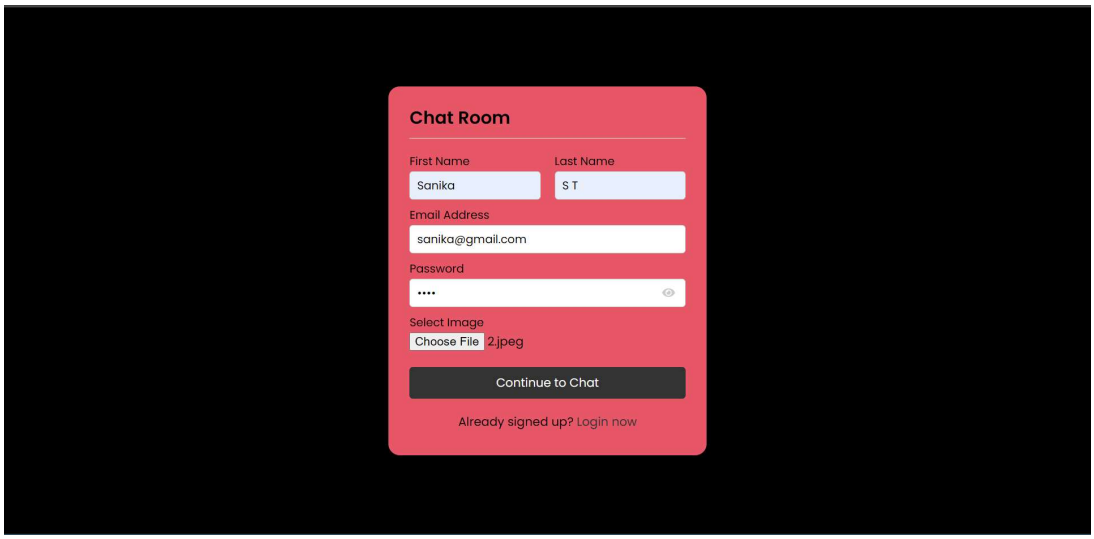
Users-



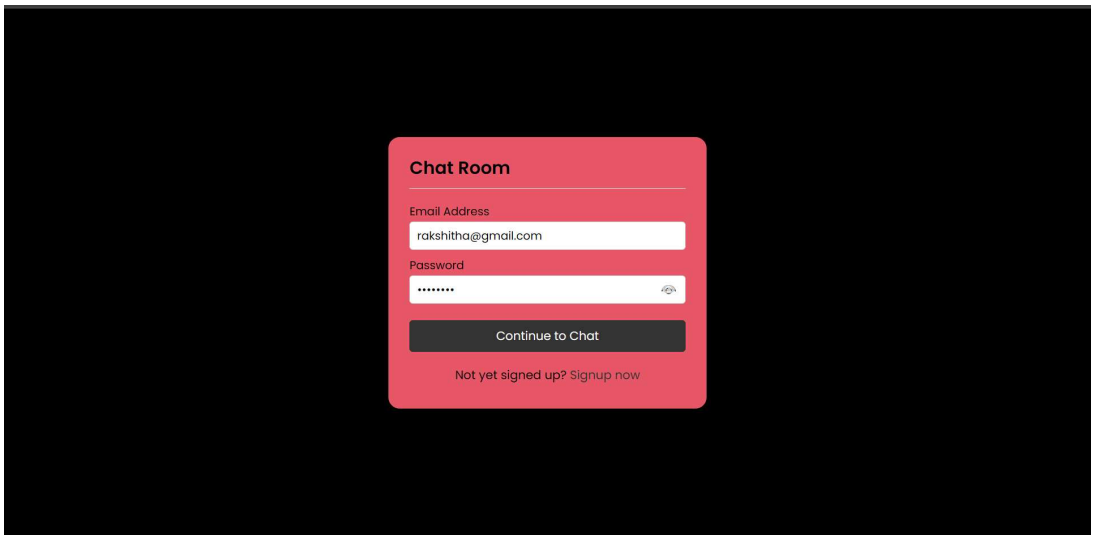
Videos-

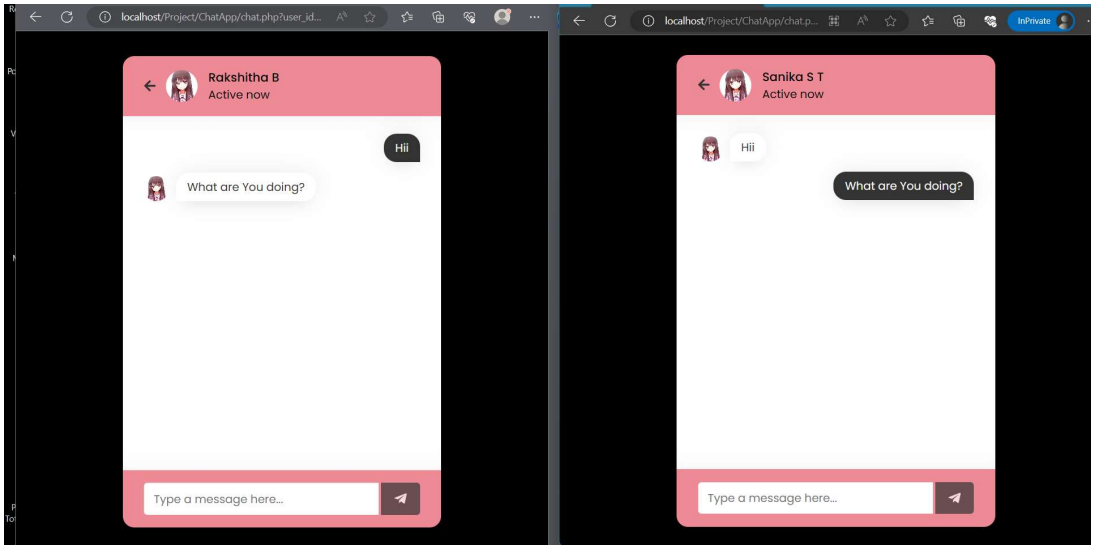


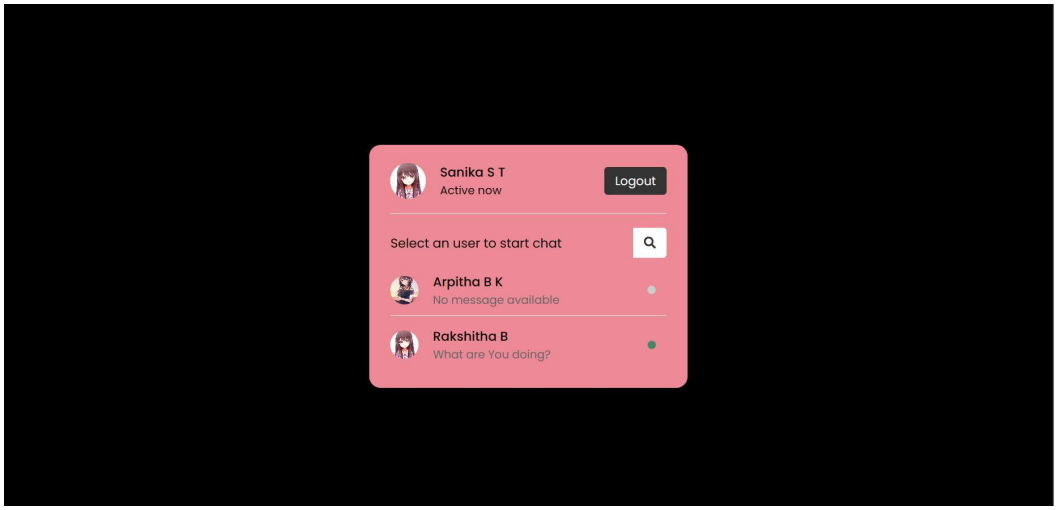
Chat Room



Once the user enters his/her login details and logs in to the chat room, his password gets encrypted and gets stored in the backend.


Chat Room
Email Address
rakshitha@gmail.com
Password
Continue to Chat
Not yet signed up? Signup now


Rakshitha B
Active now
Hii
What are You doing?
Type a message here...
Sanika S T
Active now
Hii
What are You doing?
Type a message here...


Sanika S T
Active now
Logout
Select an user to start chat
Arpitha B K
No message available
Rakshitha B
What are You doing?

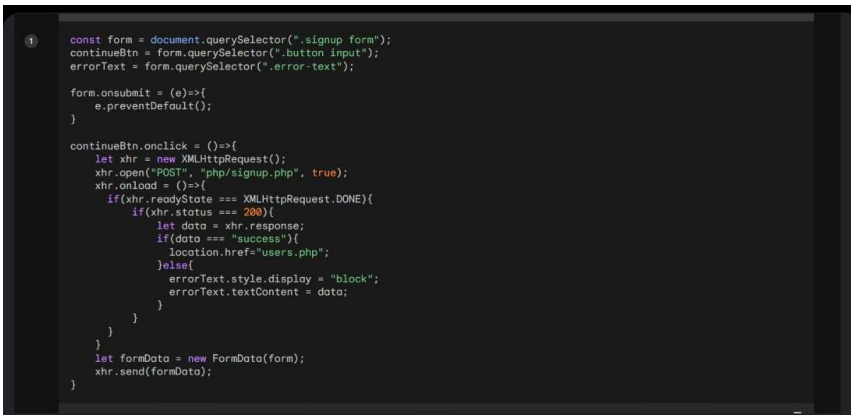
Code

- This code contains a JavaScript function that is used to submit a signup form using AJAX. The function first gets the form, continueBtn, and errorText elements from the DOM. Then, it sets up an event listener for the submit event on the form element. This event listener prevents the form from submitting normally.

The next part of the function creates a new XMLHttpRequest object and opens it with the POST method. The php/signup.php file is the PHP script that will be used to process the signup form data. The true parameter tells the XMLHttpRequest object to use asynchronous communication.

The onload event handler for the XMLHttpRequest object is used to handle the response from the server. If the response status code is 200, then the signup was successful. The function then redirects the user to the users.php page. Otherwise, an error occurred. The error message is displayed in the errorText element.

Finally, the function creates a new FormData object from the form element. The FormData object is used to serialize the form data and send it to the server. The send() method of the XMLHttpRequest object is used to send the form data to the server.



```
const form = document.querySelector(".signup form");
continueBtn = form.querySelector(".button input");
errorText = form.querySelector(".error-text");

form.onsubmit = (e)=>{
    e.preventDefault();
}

continueBtn.onclick = ()=>{
    let xhr = new XMLHttpRequest();
    xhr.open("POST", "php/signup.php", true);
    xhr.onload = ()=>{
      if(xhr.readyState === XMLHttpRequest.DONE){
          if(xhr.status === 200){
              let data = xhr.response;
              if(data === "success"){
                location.href="users.php";
              }else{
                errorText.style.display = "block";
                errorText.textContent = data;
              }
          }
      }
    }
    let formData = new FormData(form);
    xhr.send(formData);
}
```

- This code contains a JavaScript function that is used to create a simple chat application. The function first gets the form, incoming_id, inputField, sendBtn, and chatBox elements from the DOM. Then, it sets up event listeners for the submit, keyup, click, mouseenter, and mouseleave events.

The submit event listener for the form element prevents the form from submitting normally. The keyup event listener for the inputField element checks the value of the input field and updates the sendBtn class accordingly. The click event listener for the sendBtn element sends the chat message to the server. The mouseenter and mouseleave event listeners for the chatBox element add and remove the active class from the chatBox element, respectively.

The setInterval() function is used to periodically fetch chat messages from the server. The xhr object is used to send a POST request to the php/get-chat.php file. The onload event handler for the xhr object handles the response from the server. If the response status code is 200, then the chat messages are displayed in the chatBox element.

The scrollToBottom() function is used to scroll to the bottom of the chatBox element.

```
const form = document.querySelector(".typing-area"),
incoming_id = form.querySelector(".incoming_id").value,
inputField = form.querySelector(".input-field"),
sendBtn = form.querySelector("button"),
chatBox = document.querySelector(".chat-box");

form.onsubmit = (e)=>{
    e.preventDefault();
}

inputField.focus();
inputField.onkeyup = ()=>{
    if(inputField.value != ""){
        sendBtn.classList.add("active");
    }else{
        sendBtn.classList.remove("active");
    }
}
```

```
sendBtn.onclick = ()=>{
    let xhr = new XMLHttpRequest();
    xhr.open("POST", "php/insert-chat.php", true);
    xhr.onload = ()=>{
      if(xhr.readyState === XMLHttpRequest.DONE){
          if(xhr.status === 200){
              inputField.value = "";
              scrollToBottom();
          }
      }
    }
    let formData = new FormData(form);
    xhr.send(formData);
}
chatBox.onmouseenter = ()=>{
    chatBox.classList.add("active");
}

chatBox.onmouseleave = ()=>{
    chatBox.classList.remove("active");
}

setInterval(() =>{
    let xhr = new XMLHttpRequest();
    xhr.open("POST", "php/get-chat.php", true);
    xhr.onload = ()=>{
      if(xhr.readyState === XMLHttpRequest.DONE){
          if(xhr.status === 200){
            let data = xhr.response;
            chatBox.innerHTML = data;
            if(!chatBox.classList.contains("active")){
                scrollToBottom();
```

```
            }
          }
        }
      }
      xhr.setRequestHeader("Content-type", "application/x-www-form-urlencoded");
      xhr.send("incoming_id="+incoming_id);
    }, 500);

    function scrollToBottom(){
      chatBox.scrollTop = chatBox.scrollHeight;
    }
```

- The code contains a PHP script that is used to create a chat application. The script first checks if the user is logged in. If the user is not logged in, then the script redirects the user to the login page. Otherwise, the script fetches the chat messages from the database and displays them in the chat box.

The script also includes a form that allows the user to send a chat message. When the user clicks the "Send" button, the script sends the chat message to the database.

```
<?php
  session_start();
  include_once "php/config.php";
  if(!isset($_SESSION['unique_id'])){
    header("location: login.php");
  }
?>
<?php include_once "header.php"; ?>
<body style="background-color:#000;">
  <div class="wrapper" style="background-color:#ed8a95;">
    <section class="chat-area">
```

```
            <header>
              <?php
                $user_id = mysqli_real_escape_string($conn, $_GET['user_id']);
                $sql = mysqli_query($conn, "SELECT * FROM users WHERE unique_id = {$user_id}");
                if(mysqli_num_rows($sql) > 0){
                  $row = mysqli_fetch_assoc($sql);
                }else{
                  header("location: users.php");
                }
              ?>
              <a href="users.php" class="back-icon"><i class="fas fa-arrow-left"></i></a>
              <img src="php/images/<?php echo $row['img']; ?>" alt="">
              <div class="details">
                <span><?php echo $row['fname']. " " . $row['lname'] ?></span>
                <p><?php echo $row['status']; ?></p>
              </div>
            </header>
            <div class="chat-box" style="background-color:white;">
          </div>
            <form action="#" class="typing-area">
              <input type="text" class="incoming_id" name="incoming_id" value="<?php echo $user_id; ?>" hidden>
              <input type="text" name="message" class="input-field" placeholder="Type a message here..." autocomplete="off">
              <button><i class="fab fa-telegram-plane"></i></button>
            </form>
          </section>
        </div>
        <script src="javascript/chat.js"></script>
      </body>
</html>
```

CONCLUSION

At present, the demand for professional and skilled talents is more necessary. In view of the changing market demand, in order to provide a platform for training of adult higher education with advanced required skills. And also the development trend of mass education and lifelong education, based on the characteristics of training objects, focus on vocational and technical education, improve the comprehensive quality of training objects, and cultivate application-oriented technical talents and management talents with strong practical ability and innovative spirit for learning. In the process of reform and development of adult education, it is necessary to build a proper platform that is very much required to improve the skills and experiences of the adult people.

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- Udemy
- Youtube