

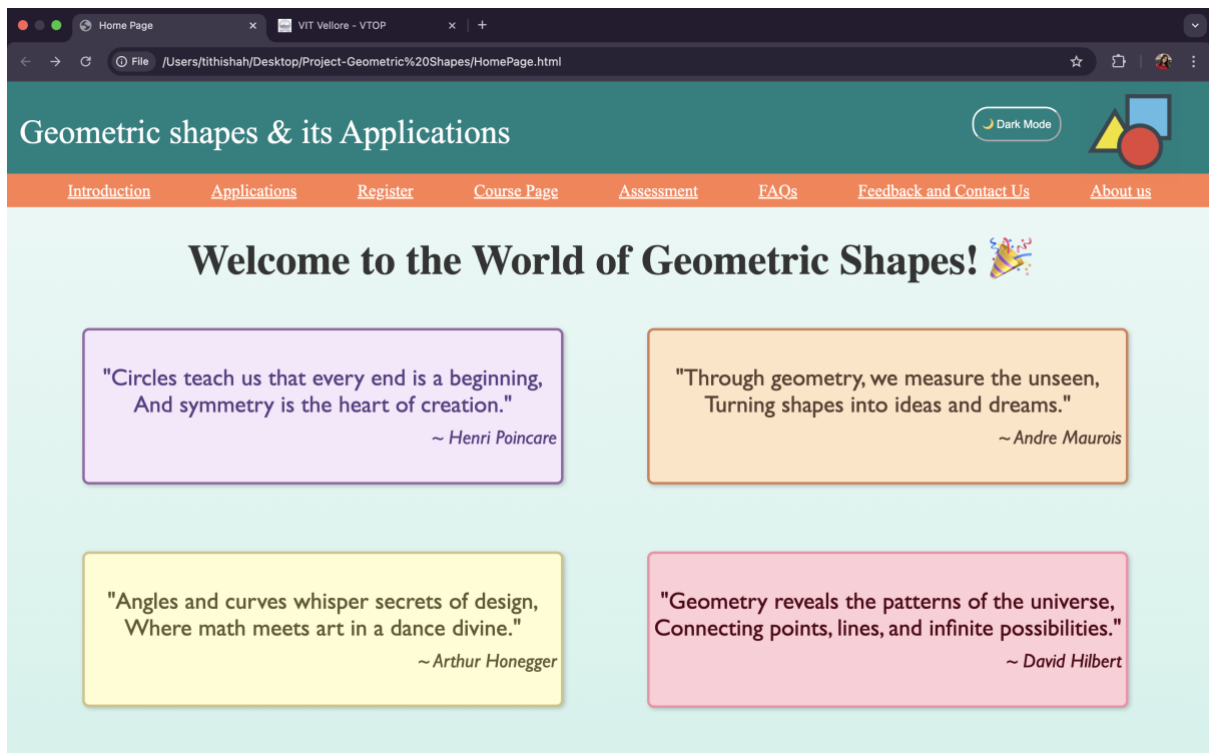
# PROJECT REVIEW – 2 (INTEGRATED JS)

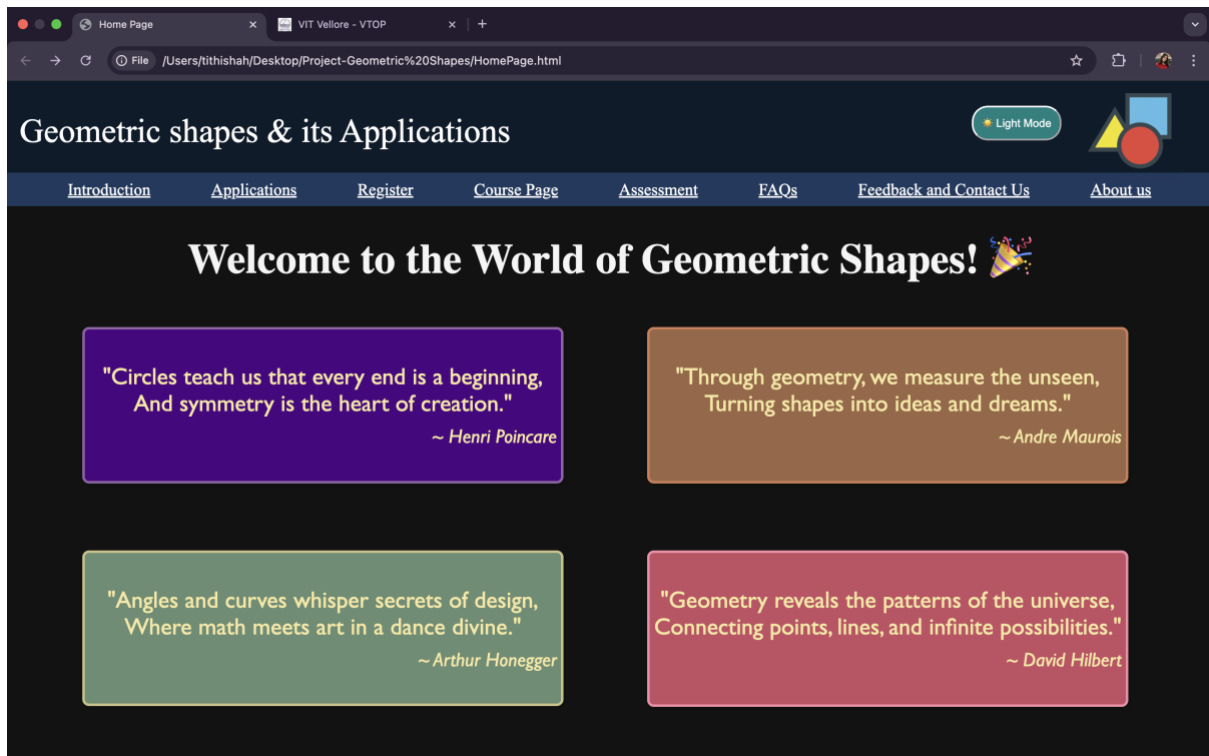
Topic:- **Geometric Shapes and its applications**

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1) Added dark mode toggle button using js into HOME PAGE





Js Code:

```
const toggleButton = document.createElement("button");
toggleButton.textContent = "🌙 Dark Mode";
toggleButton.style.position = "fixed";
toggleButton.style.top = "30px";
toggleButton.style.right = "180px";
toggleButton.style.padding = "10px";
toggleButton.style.cursor = "pointer";
toggleButton.style.color="white";
toggleButton.style.borderRadius="19px";
toggleButton.style.borderColor="white";
toggleButton.style.backgroundColor="#008080";
document.body.appendChild(toggleButton);

toggleButton.addEventListener("click", () => {
    document.body.classList.toggle("dark-mode");
});
```

```
toggleButton.textContent = document.body.classList.contains("dark-mode") ? "☀️ Light Mode" : "🌙 Dark Mode";
});
```

## 2) Sign Up page – FORM VALIDATION

The screenshot shows a web browser window with the address bar displaying the file path: `/Users/tithishah/Desktop/Project-Geometric%20Shapes/Registration.html`. The page content features a sign-up form on the left and a large blue graphic on the right.

The sign-up form includes the following elements:

- A text input field containing the username `TITHISHAH21`.
- A text input field containing the email `a`, with a validation message below it: "Enter a valid email address".
- A password input field with two dots, and a validation message below it: "Password must be 8+ chars with uppercase, lowercase, number, & special character".
- A dark blue button labeled "Sign up".
- A link at the bottom: "Already have an account? Sign in here".

The large blue graphic on the right contains the text "Join with us" in white.

Js code:

```
let container = document.getElementById('container')
```

```
toggle = () => {
  container.classList.toggle('sign-in')
  container.classList.toggle('sign-up')
}
```

```
setTimeout(() => {
  container.classList.add('sign-in')
```

```
}, 200)
```

```
function validateForm() {
```

```
    let username = document.getElementById("username").value.trim();
```

```
    let email = document.getElementById("email").value.trim();
```

```
    let password = document.getElementById("password").value.trim();
```

```
    let confirmPassword = document.getElementById("confirm-  
password").value.trim();
```

```
    let errorMessages = document.querySelectorAll(".error-message");
```

```
    errorMessages.forEach(msg => msg.textContent = "");
```

```
    let isValid = true;
```

```
    if (username === "") {
```

```
        setError("username", "Username is required");
```

```
        isValid = false;
```

```
    }
```

```
    let emailRegex = /^[a-zA-Z0-9._%+-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,}$/;
```

```
    if (!emailRegex.test(email)) {
```

```
        setError("email", "Enter a valid email address");
```

```
        isValid = false;
```

```

    }

    let passwordRegex = /^(?=.*[a-z])(?=.*[A-Z])(?=.*\d)(?=.*[@#$$%^&+=!]).{8,}$/;

    if (!passwordRegex.test(password)) {
        setError("password", "Password must be 8+ chars with uppercase, lowercase, number, & special character");
        isValid = false;
    }

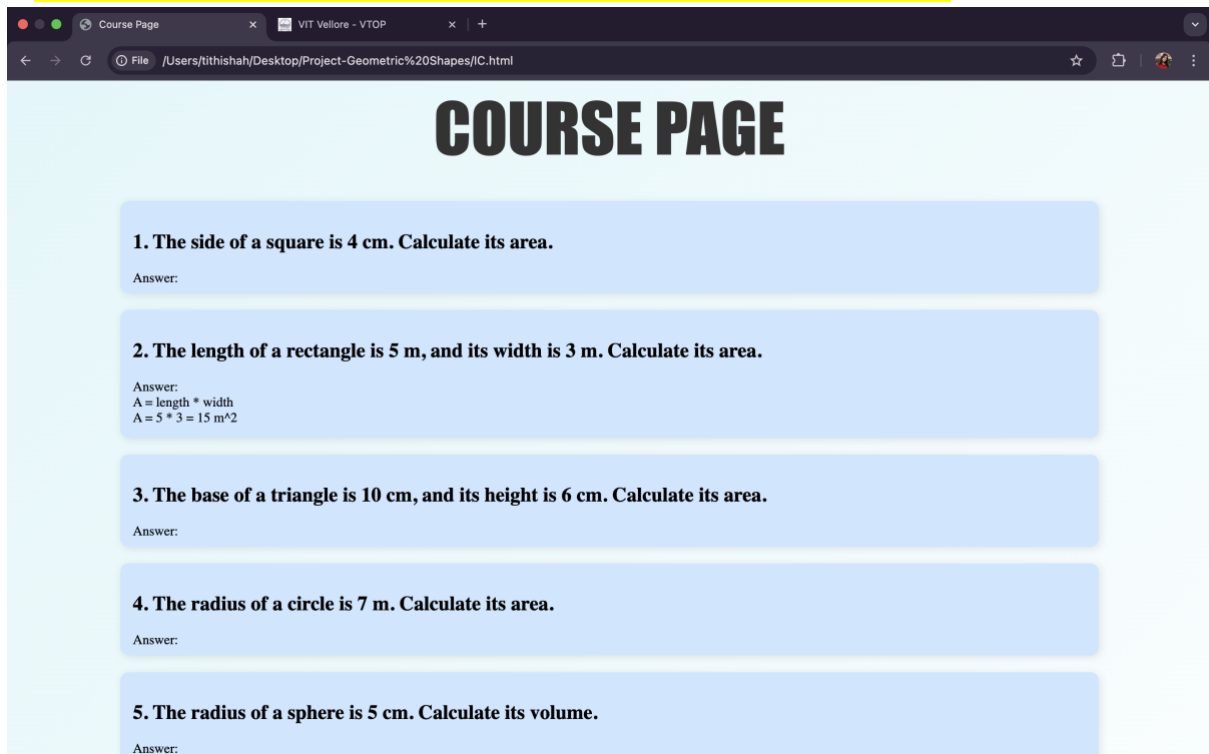
    if (password !== confirmPassword) {
        setError("confirm-password", "Passwords do not match");
        isValid = false;
    }

    if (isValid) {
        alert("Sign up successful! ✅");
    }
}

function setError(id, message) {
    document.getElementById(id).nextElementSibling.textContent = message;
}

```

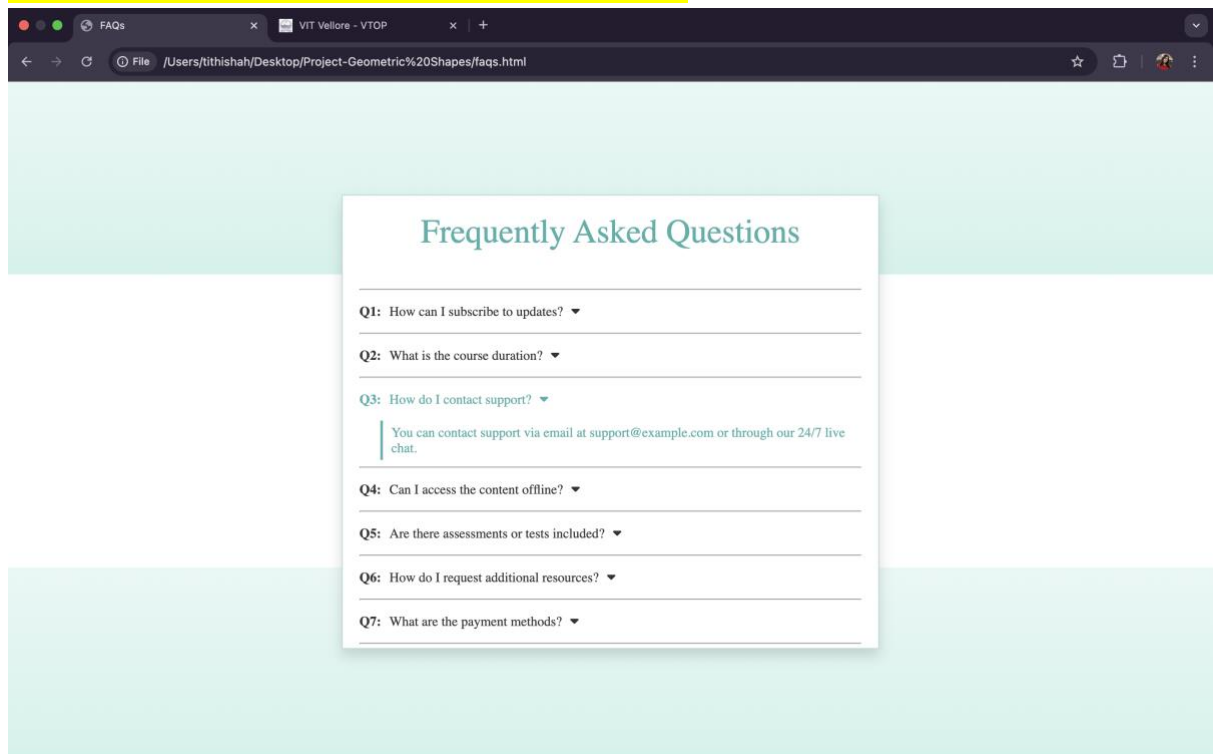
### 3) Added answers to Course Page practice questions using hover in Js



Js Code:

```
document.addEventListener("DOMContentLoaded", function () {  
    const cards = document.querySelectorAll(".eg");  
  
    cards.forEach((card) => {  
        card.addEventListener("mouseenter", function () {  
            this.classList.add("expanded");  
        });  
  
        card.addEventListener("mouseleave", function () {  
            this.classList.remove("expanded");  
        });  
    });  
});
```

### 3) Added answers to FAQs by clicking them using JS:



Js code:

```
document.addEventListener("DOMContentLoaded", () => {

  const faqs = [

    { question: "How can I subscribe to updates?", answer: "You can subscribe to updates by signing up with your email on our homepage." },
    { question: "What is the course duration?", answer: "The course duration varies but typically lasts 6 to 12 weeks, depending on the topic." },
    { question: "How do I contact support?", answer: "You can contact support via email at support@example.com or through our 24/7 live chat." },
    { question: "Can I access the content offline?", answer: "Yes! You can download materials for offline access after enrolling in the course." },
    { question: "Are there assessments or tests included?", answer: "Yes, every course includes quizzes and assessments to track your progress." },
  ]
})
```

```
    { question: "How do I request additional resources?", answer: "You can request additional resources through our 'Request Resources' section in the dashboard." },
```

```
    { question: "What are the payment methods?", answer: "We accept credit/debit cards, PayPal, and bank transfers for payments." }
  ];
```

```
const questions = document.querySelectorAll(".p");
```

```
questions.forEach((question, index) => {
```

```
  const answerDiv = document.createElement("div");
```

```
  answerDiv.classList.add("answer");
```

```
  answerDiv.textContent = faqs[index].answer;
```

```
  answerDiv.style.display = "none";
```

```
  question.insertAdjacentElement("afterend", answerDiv);
```

```
  question.addEventListener("click", () => {
```

```
    if (answerDiv.style.display === "none") {
```

```
      answerDiv.style.display = "block";
```

```
      answerDiv.style.opacity = "0";
```

```
      setTimeout(() => { answerDiv.style.opacity = "1"; }, 10);
```

```
    } else {
```

```
      answerDiv.style.opacity = "0";
```

```
      setTimeout(() => { answerDiv.style.display = "none"; }, 300);
```

```
    }
```

```
  });
```

```
});
```



```
});
```

#### 4) Form validation – feedback page using Js

**How do you rate our overall experience?**  
☐ Excellent ☐ Average ☐ Bad

**Personal Details**

Full Name:

Age:

Grade:

Email:

Phone\*:

DOB:

Message:

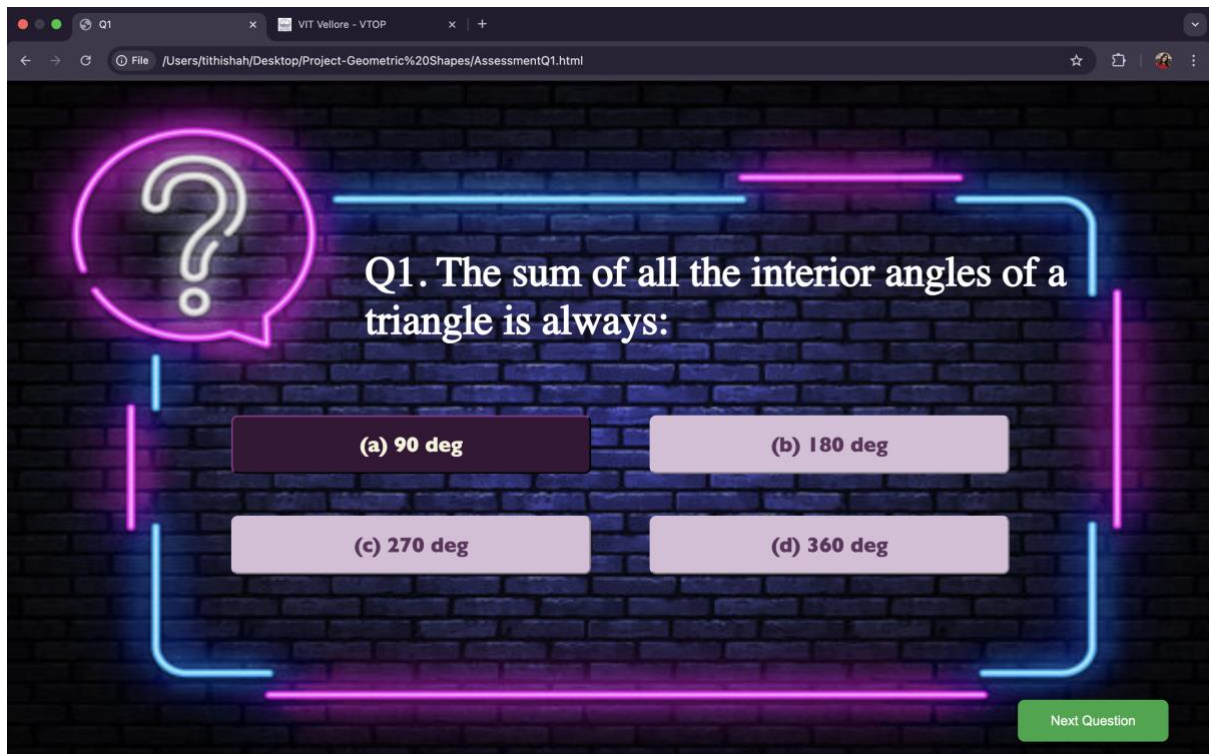
**Submit**

**WE WANT YOUR FEEDBACK**

**Reach out to us via:**  
Email: [@geometricshapes.com](mailto:@geometricshapes.com)  
Contact: +91 0123456789  
Instagram: [@geometricshapes](https://www.instagram.com/geometricshapes)

(code similar to register page)

#### 5) Added Js code for MCQs page:



Js code:

```
document.addEventListener("DOMContentLoaded", () => {  
  const options = document.querySelectorAll(".option");  
  const nextButton = document.getElementById("next-btn");  
  let selectedOption = null;  
  const correctAnswer = "b";  
  
  options.forEach(option => {  
    option.addEventListener("click", () => {  
      if (selectedOption) {  
        selectedOption.classList.remove("selected");  
      }  
      selectedOption = option;  
      selectedOption.classList.add("selected");  
  
      const selectedValue = option.getAttribute("data-value");
```

```
    if (selectedValue === correctAnswer) {  
        option.classList.add("correct");  
    } else {  
        option.classList.add("wrong");  
    }  
});  
});
```

```
nextButton.addEventListener("click", () => {  
    if (!selectedOption) {  
        alert("Please select an answer before proceeding.");  
        return;  
    }  
    window.location.href = "AssessmentQ2.html";  
});  
});
```