



EDUCATION WEBSITE

A

**Project Proposal submitted as a part of mini project for the degree
of**

BCA (Bachelor of Computer Application)

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ABSTRACT

User Management: Implement user authentication and authorization to allow users to create accounts, log in, and access personalized content based on their roles (such as students, teachers, administrators).

Course Management: Provide features to create, manage, and organize courses. This includes creating course materials, uploading resources, and setting up assessments.

Content Delivery: Design a user-friendly interface to display course content, such as lecture notes, videos, and interactive learning materials. Ensure accessibility and ease of navigation for users.

Assessment and Grading: Implement mechanisms for conducting quizzes, assignments, and exams. Include automatic grading where applicable and provide feedback to users on their performance.

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INTRODUCTION

Welcome to our education website, a platform dedicated to empowering learners of all ages and backgrounds with knowledge and skills for personal and professional growth. Our mission is to provide accessible and high-quality education that inspires curiosity, fosters critical thinking, and nurtures a lifelong love for learning.

OBJECTIVE

The objective of our education website project is to create a comprehensive and accessible online platform that promotes effective learning, empowers learners, and facilitates the exchange of knowledge. Our project aims to achieve the following objectives:

Facilitate Collaboration and Networking: Create a collaborative learning environment by implementing features that facilitate communication, interaction, and networking among learners, instructors, and experts. Encourage the sharing of ideas, perspectives, and experiences to enhance the learning journey.

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Provide Progress Tracking and Assessment: Offer tools and features to track learners' progress, provide insights into their performance, and offer constructive feedback to help them gauge their understanding and identify areas for improvement.

Ensure User-Friendly Experience: Design an intuitive and user-friendly interface that prioritizes ease of navigation, accessibility, and responsiveness across different devices. Strive to create a seamless and enjoyable learning experience for all users.

Continuous Improvement: Continuously monitor and evaluate the effectiveness of the platform, seeking feedback from users and making iterative improvements to enhance the overall learning experience and meet the evolving needs of learners.

COMPONENTS

The components used for building this project are :-

- Analysis from Google and You tube
- Application is developed by using HTML, CSS, JAVASCRIPT , API(Application Programming Interface)

HTML:- HTML stands for HyperText Markup Language. It is a standard markup language for web page creation. It allows the creation and structure of sections, paragraphs, and links using HTML elements (the building blocks of a web page) such as tags and attributes.

CSS:- CSS stands for Cascading Style Sheets. It is a style sheet language which is used to describe the look and formatting of a document written in markup language. It is generally used with HTML to change the style of web pages and user interfaces.

JAVASCRIPT:- JavaScript is a dynamic computer programming language. It is lightweight and most commonly used as a part of web pages, whose implementations allow client-side script to interact with the user and make dynamic pages. It is an interpreted programming language with object-oriented capabilities.

API:- API stands for Application Programming Interface. In the context of APIs, the word Application refers to any software with a distinct function. Interface can be thought of as a contract of service between two applications.

- The software used for coding is :-
 - VS CODE

METHODOLOGY

Developing an image gallery website that ensures that all the necessary steps are taken to create a high-quality, effective, and user-friendly website. These are as follows:-

❖ Create a design concept:

Develop a design concept for the website that takes into account the brand identity, user experience, and user interface. Consider the layout, colour scheme, typography, and overall style.

❖ Build the website:

Develop the website layout by using html, css, javascript and vs code for coding and integrate the API to the website.

❖ Test and refine:

Test the website thoroughly to ensure that it works as intended and meets the project requirements. Refine the design and functionality based on feedback from users and stakeholders.

❖ Launch the website:

Deploy the website on a hosting platform and make it live. Ensure that the website is secure and backed up regularly.

❖ **Maintain and improve:**

Regularly maintain and update the website to ensure that it remains secure, up-to-date, and optimized for search engines. Continuously improve the website based on feedback from users and stakeholders.

Technology Used in the Project Image Gallery

We have developed this project using the below technology

- HTML: Page layout has been designed in HTML
- CSS: CSS has been used for all the designing part
- JavaScript: All the validation task and animations has been developed JavaScript.

How to implement the HTML code?

```
<!DOCTYPE html>

<html lang="en">

  <head>

    <meta charset="UTF-8" />

    <meta http-equiv="X-UA-Compatible" content="IE=edge" />

    <meta name="viewport" content="width=device-width, initial-scale=1.0" />

    <title>University Website</title>

    <link rel="stylesheet" href="style.css" />

    <link rel="preconnect" href="https://fonts.googleapis.com" />

    <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin />

    <link

      href="https://fonts.googleapis.com/css2?family=Noto+Serif:ital,wght@0,400;0,700;1,400;1,700&display=swap"

      rel="stylesheet"

    />

    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.2.1/css/all.min.css" integrity="sha512-MV7K8+y+gLIBoV59lQIYicR65iaqukzvf/nwasF0nqhPay5w/91JmVM2hMDcnK10nMGCdVK+iQrJ7lzPJQd1w==" crossorigin="anonymous" referrerpolicy="no-referrer" />

  <body>

    <section class="header">

      <nav>

        <a href="index.html"></a>

        <div class="nav-links" id="navLinks">

          <i class="fa-solid fa-xmark" onclick="hideMenu()"></i>

          <ul>

            <li><a href="./index.html">HOME</a></li>

            <li><a href="./about.html">ABOUT</a></li>

            <li><a href="./course.html">COURSE</a></li>

            <li><a href="./blog.html">BLOG</a></li>

            <li><a href="./contact.html">CONTACT</a></li>

          </ul>

        </div>

        <i class="fa-solid fa-bars" onclick="showMenu()"></i>

      </nav>

      <div class="text-box">

        <h1>World's biggest University</h1>

        <p>

          Making Website is now one of the easiest thing in the world.<br> You just

          need to learn HTML, CSS, Javascript and you are good to go.

        </p>

        <a href="" class="hero-btn">Visit Us to Know More</a>

      </div>

    </section>

  </body>

</html>
```

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```

<section class="footer">

  <h4>About Us</h4>

  <p>Lorem ipsum dolor sit, amet consectetur adipisicing elit. Pariatur error asperiores vero vel incididunt sit!</p>

  <div class="icons">

    <i class="fa-brands fa-facebook"></i>

    <i class="fa-brands fa-twitter"></i>

    <i class="fa-brands fa-instagram"></i>

    <i class="fa-brands fa-linkedin"></i>

  </div>

  <p>Made With <i class="fa-solid fa-heart"></i> by Me Papuna</p>

</section>

<script src="script.js"></script>

</body>

</html>

```

Sprinkle some CSS

You can edit the CSS as per your liking. For this JavaScript project, we will work with the code below.

Code:

```

* {
  font-family: "Noto Serif", serif;
  margin: 0;
  padding: 0;
  box-sizing: border-box;
}

.header {
  min-height: 100vh;
  width: 100%;
  background-image: linear-gradient(rgba(4, 9, 30, 0.7), rgba(4, 9, 30, 0.7)),
    url(./images/banner.png);
  background-position: center;
  background-size: cover;
  position: relative;
}

```

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```

nav {
  display: flex;
  padding: 2% 6%;
  justify-content: space-between;
  align-items: center;
}
nav img {
  width: 150px;
}
.nav-links {
  flex: 1;
  text-align: right;
}
.layer:hover h3 {
  bottom: 49%;
  opacity: 1;
}
/* facilities */
.facilities {
  width: 80%;
  margin: auto;
  text-align: center;
  padding-top: 100px;
}
.facilities-col {
  flex-basis: 31%;
  border-radius: 10px;
  margin-bottom: 5%;
  text-align: left;
}
.facilities-col img {
  width: 100%;
  border-radius: 10px;
}
.facilities-col p {
  padding: 0;
}
.facilities-col h3 {
  margin-top: 16px;
  margin-bottom: 15px;
  text-align: left;
}

```

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```

}

/* tetimonials */

.testimonials {
  width: 80%;
  margin: auto;
  padding-top: 100px;
  text-align: center;
}

.testimonial-col {
  flex-basis: 44%;
  border-radius: 10px;
  margin-bottom: 5%;
  text-align: left;
  background: #fff3f3;
  padding: 25px;
  cursor: pointer;
  display: flex;
}

.testimonial-col img {
  height: 40px;
  margin-left: 5px;
  margin-right: 30px;
  border-radius: 50%;
}

.testimonial-col p {
  padding: 0;
}

.testimonial-col h3 {
  margin-top: 15px;
  text-align: left;
}

.testimonial-col i {
  color: #f44336;
}

@media (max-width: 700px) {
  .testimonial-col img {
    margin-left: 0px;
    margin-right: 15px;
  }
}

```

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```

/* call to action */

.cta {
  margin: 100px auto;
  width: 80%;
  background-image: linear-gradient(rgba(4, 9, 30, 0.7), rgba(4, 9, 30, 0.7)),
    url(./images/banner2.jpg);
  background-position: center;
  background-size: cover;
  border-radius: 10px;
  text-align: center;
  padding: 100px 0;
}

.cta h1 {
  color: #fff;
  margin-bottom: 40px;
  padding: 0;
}

@media (max-width: 700px) {
  .cta h1 {
    font-size: 20px;
  }
}

/*
footer */
}

.contact-col input, .contact-col textarea{
  width: 100%;
  padding: 15px;
  margin-bottom: 17px;
  outline: none;
  border: 1px solid #ccc;
  box-sizing: border-box;
}

```

JavaScript to make the webpage dynamic

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But the buttons still don't work, do they? Neither is the text in the blue box changing. That is the task of the JavaScript code. Add the JavaScript code mentioned below and you'll have the webpage you wanted. And with all the functions you were working on.

Code:

```
let navLinks = document.getElementById("navLinks");
function showMenu(){
    navLinks.style.top = '0';
}
function hideMenu(){
    navLinks.style.top = '-800px'
}
```

Conclusion

Our education web project is a testament to our commitment to revolutionizing the way people learn and access educational resources. By creating an inclusive and dynamic online platform, we have aimed to break down barriers to education, empower learners of all backgrounds, and foster a lifelong love for learning.

Through our comprehensive curriculum, diverse range of courses, and high-quality learning materials, we have strived to provide a rich and engaging educational experience.