# **ETGr EDUCATION**



# A PROJECT REPORT ON Web Dvelopment

SUBMITTED BY

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DATE OF SUBMISSION:

UNDER THE GUIDANCE OF

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# **Introduction to Web Development**

## What is Web Development?

Web development refers to the process of creating websites and web applications for the internet or an intranet (a private network). It encompasses a variety of tasks, including web design, web content creation, client-side/server-side scripting, and network security configuration, among others. Web development can range from developing a simple static page of plain text to complex web applications, electronic businesses, and social network services.

### **Key Components of Web Development**

#### 1. Frontend Development:

- HTML (HyperText Markup Language): The standard language for creating web pages and web applications. It
  provides the basic structure of a site.
- CSS (Cascading Style Sheets): A language used to describe the style of an HTML document. CSS describes how HTML elements should be displayed.
- JavaScript: A programming language that enables interactive web pages. It is an essential part of web applications, allowing
- dynamic content to be executed on the client side.

#### 2. Backend Development

- Server-Side Languages: Such as PHP, Python, Ruby, Java, and Node.js. These languages interact with the server to
  process and manage data.
- Databases: Systems like MySQL, PostgreSQL, MongoDB, and SQLite store and manage data.

## Why Learn Web Development?

Web development skills are highly sought after in today's digital age. They open up a wide range of career opportunities, including roles as web developers, full-stack developers, frontend or backend developers, and more. Understanding web development also empowers individuals to create their own projects, from personal blogs to complex web applications.

# **Project Overview:**

In this project, I will build a personal portfolio website. This website will showcase my skills, projects, and resume. The project will help me apply my knowledge of HTML, CSS, JavaScript, PHP and MySql Database .

## Here is the step-by-step process of the project:

Step 1. Make a Front Page of a Website using HTML code.

```
[index.php]
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
  <link rel="stylesheet" href="style1.css">
</head>
<style>
.clgname{
  position: absolute;
   top: 50%;
   left: 50%;
   transform: translate(-50%, -50%);
   color:white;
  font-size: 24px;
  font-weight: bold;
 font-family:Goudy Stout;
  text-align: center;
 .header{
  display:flex;
  font-size:30px;
  position: relative;
  text-align: center;
 </style>
<body>
<body><br/>body bgcolor="#F7D9F8"></br>
<div class="header" style="padding-left:16%;">
<div style="padding-left:1%;">
 <button class="button-82-pushable" role="button">
```

```
<span class="button-82-shadow"></span>
 <span class="button-82-edge"></span>
 <span class="button-82-front text">
  Home
 </span>
</button>
</div>
<div style="padding-left:1%;">
 <button class="button-82-pushable" role="button">
 <span class="button-82-shadow"></span>
 <span class="button-82-edge"></span>
 <span class="button-82-front text">
 About Us
 </span>
</button>
</div>
<div style="padding-left:1%;">
 <button class="button-82-pushable" role="button">
 <span class="button-82-shadow"></span>
 <span class="button-82-edge"></span>
 <span class="button-82-front text">
 Courses
 </span>
</button>
</div>
<div style="padding-left:1%;">
 <button class="button-82-pushable" role="button">
 <span class="button-82-shadow"></span>
 <span class="button-82-edge"></span>
 <span class="button-82-front text">
 Addmission
 </span>
</button>
</div>
<div style="padding-left:1%;">
 <button class="button-82-pushable" role="button">
 <span class="button-82-shadow"></span>
 <span class="button-82-edge"></span>
 <span class="button-82-front text">
 Contact Us
```

```
</span>
</button>
</div>
</div>
 <br>
    <div class="background" style=" position: relative; width:100%; height:400px;" >
    <img src="college.avif" alt="image" style="width:100%;height:400px;">
    <div class="clgname">
     <h1 align="center">ABC NATIONAL COLLEGE </h1>
     <h4 align="center">Guwahati xyz, Assam-123456</h4>
    </div>
    </div>
    <br>
    <div class="container" style="padding-top:0px;" >
    <div>
       <h2 align="center"> School Life </h2>
       <button class="button-7" role="button">Learn More 7</button>
       <img src= "student2.jpg" alt="Snow" style="width:350px;height:240px;" >
       Students are individuals engaged in formal education, typically in schools,
         colleges, or universities, pursuing knowledge and skills in various subjects.
         They represent a diverse group with unique backgrounds, interests.
        </div>
       <div>
       <h2 align=center> Faculty </h2>
       <button class="button-7" role="button">Learn More 7</button>
       <img src= "faculty.jpg" alt="Snow" style="width:350px;height:240px;" >
       Students are individuals engaged in formal education, typically in schools,
         colleges, or universities, pursuing knowledge and skills in various subjects.
         They represent a diverse group with unique backgrounds, interests.
        </div>
       <div >
       <h2 align=center> Students </h2>
       <button class="button-7" role="button">Learn More 7</button>
       <img src= "student.jpg" alt="Snow" style="width:350px;height:240px;" >
       Students are individuals engaged in formal education, typically in schools,
         colleges, or universities, pursuing knowledge and skills in various subjects.
         They represent a diverse group with unique backgrounds, interests.
```

```
</div>
</div>
<button class="button-9" role="button"> School News & Updates </button>
<br>
<div class="container3" style="padding-top:30px;" >
  <div>
  <img src= "img3.jpg" alt="Snow" style="padding-right:10px;" >
  </div>
  <div style="padding-right:50px;">
   Date:02/02/2024 By:Yamu 
  <h3> Celebrating Academic Excellence:</h3>
  </div>
  <div>
  <img src= "img1.jpg" alt="Snow" style="padding-right:10px;" >
  </div>
  <div style="padding-right:50px;">
   Date:02/02/2024 By:Yamu 
  <h3> Celebrating Academic Excellence: </h3>
  </div>
  <div>
  <img src= "img1.jpg" alt="Snow" style="padding-right:10px;" >
  </div>
  <div style="padding-right:50px;">
   Date:02/02/2024 By:Yamu 
  <h3> Celebrating Academic Excellence:</h3>
  </div>
 </div>
  <div class="container4" >
  <div>
  <img src= "img3.jpg" alt="Snow" style="padding-right:10px;" >
  <div style="padding-right:50px;">
   Date:02/02/2024 By:Yamu 
  <h3> Celebrating Academic Excellence: </h3>
  </div>
  <div>
  <img src= "img4.jpg" alt="Snow" style="padding-right:10px;" >
  </div>
  <div style="padding-right:50px;">
   Date:02/02/2024 By:Yamu
```

```
<h3> Celebrating Academic Excellence: </h3>
  </div>
  <div>
  <img src= "img3.jpg" alt="Snow" style="padding-right:10px;" >
  </div>
  <div style="padding-right:50px;">
   Date:02/02/2024 By:Yamu 
  <h3> Celebrating Academic Excellence: </h3>
  </div>
  </div>
<br>
<div class="container6" >
 <div >
 <img src="addmission.jpg" >
 </div>
 < div style="background-color:pink; height:400px;width:800px; color:white;">
 <h1>Apply for Addmission </h1>
 <h3> Are you ready to embark on an unforgettable journey of academic
excellence and personal growth? Look no further! Gyan Jyoti High School is now accepting
applications for the upcoming academic year, and we invite you to join our vibrant
and diverse community.</h3>
 <br>
 <button class="button-82-pushable" role="button">
 <a href="project.php">
 <span class="button-82-shadow"></span>
 <span class="button-82-edge"></span>
 <span class="button-82-front text">
 Apply Now
 </span>
 </a>
</button>
</div>
</div>
<br>
<button class="button-9" role="button"> What People Say</button>
<br>
<div class="container7" style="padding-left:22%; padding-top:5%;" >
  <div>
  <img src= "student1.jpg" alt="Snow" style="width:200px;height:200px; border-radius:100px;">
   Lorem ipsum dolor sit amet, consectetuer adipiscing elit,
```

```
sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat.
    JOHN DOE 
</div>
   <div>
   <imq src= "student2.jpg" alt="Snow" style="width:200px;height:200px; border-radius:100px;">
    Lorem ipsum dolor sit amet, consectetuer adipiscing elit,
  sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat.
   JOHN DOE 
   </div>
 </div>
 <div style="padding-left:45%;">
   <button class="button-82-pushable" role="button">
 <a href="comment.html">
  <span class="button-82-shadow"></span>
  <span class="button-82-edge"></span>
  <span class="button-82-front text">
  Learn More
  </span>
  </a>
 </button>
 </div>
 <br>
 </div>
 <div class="container8" style="padding-left:33%;">
     <div class="footer-contact" >
       <h3>Contact Information</h3>
       <b>123 School Street, </b> 
       <b>City, State, Zip Code</b>
       <b>Email: info@school.com</b>
       <b>Phone: +1 (123) 456-7890</b>
       <b>&copy; 2024 School Name. All Rights Reserved.</b>
     </div>
 <div>
 <h3> Navigation</h3>
```

```
<|i><a href="school.html"><strong> Home </strong></a>
<a href="courses.html"><strong> Courses </strong></a>
<a href="apply.html"><strong> Addmission </strong></a>
<a href="news1.html"><strong> About Us </strong></a>

</div></div></div></div></div></div></html>
```

#### Step 2. For styling link this css.

```
[style1.css]
.container {
  position: relative;
 text-align: center;
 color:white;
 display:flex;
 background-color:brown;
 font-family:Bodoni MT Black;
 .centered {
  font-family:Rockwell Extra Bold;
  font-size:30px;
  color:white;
  font-family:Comic Sans MS;
  position: absolute;
  top: 50%;
  left: 50%;
  transform: translate(-50%, -50%);
 .name{
```

```
align:center;
  height: 200px;
  width: 100%;
  background-color: lightgreen;
  color:red;
  font-family:Goudy Stout
}
.studentimg{
  height:400px;
  width:100%;
  float:right;
}
.container1{
  display:flex;
  font-size:30px;
  position: relative;
  text-align: center;
}
 .container2{
  display:flex;
  font-size:15px;
  position: relative;
  text-align: center;
.container3{
  width:90%;
  height:90px;
```

```
display:flex;
  font-size:15px;
  position: relative;
 text-align: center;
 padding-top:40px;
 padding-bottom:70px;
.container4{
  width:90%;
  height:90px;
  display:flex;
  font-size:15px;
  position: relative;
  text-align: center;
  padding-bottom:70px;
}
.container5 {
  width:90%;
  height:90px;
  display:flex;
  font-size:15px;
  position: relative;
  text-align: center;
  padding-bottom:70px;
}
.container6 {
  display:flex;
```

```
position: relative;
    text-align:center;
 .container7{
    display:flex;
    position: relative;
    text-align:center;
    height:300px;
    width:60%;
 .container8
{ display:flex;
    position: relative;
   text-align:center;
/*styling of button*/
 .button-9 {
  appearance: button;
  backface-visibility: hidden;
  background-color:rgb(33, 6, 87);
  border-radius: 6px;
  border-width: 0;
  box-shadow: rgba(50, 50, 93, .1) 0 0 0 1px inset,rgba(50, 50, 93, .1) 0 2px 5px 0,rgba(0, 0, 0, .07) 0 1px 1px 0;
  box-sizing: border-box;
  color: white;
  cursor: pointer;
  font-family: Gill Sans Ultra Bold;
```

```
font-size: 100%;
  height: 44px;
  line-height: 1.15;
  margin: 12px 0 0;
  outline: none;
  overflow: hidden;
  padding: 0 25px;
  position: relative;
  text-align: center;
  text-transform: none;
  transform: translateZ(0);
  transition: all .2s,box-shadow .08s ease-in;
  user-select: none;
  -webkit-user-select: none;
  touch-action: manipulation;
 width: 100%;
 .button-9:disabled {
  cursor: default;
 .button-9:focus {
  box-shadow: rgba(50, 50, 93, .1) 0 0 0 1px inset, rgba(50, 50, 93, .2) 0 6px 15px 0, rgba(0, 0, 0, .1) 0 2px 2px 0, rgba(50,
151, 211, .3) 0 0 0 4px;
 .button-82-pushable{
position: relative;
border: none;
```

```
background: transparent;
padding: 0;
cursor: pointer;
outline-offset: 4px;
transition: filter 250ms;
user-select: none;
-webkit-user-select: none;
touch-action: manipulation;
.button-82-shadow {
position: absolute;
top: 0;
left: 0;
width: 100%;
height: 100%;
border-radius: 12px;
background: hsl(0deg 0% 0% / 0.25);
will-change: transform;
transform: translateY(2px);
transition:
 transform
 600ms
 cubic-bezier(.3, .7, .4, 1);
.button-82-edge {
position: absolute;
top: 0;
```

```
left: 0;
width: 100%;
height: 100%;
border-radius: 12px;
background: linear-gradient(
 to left,
 hsl(340deg 100% 16%) 0%,
 hsl(340deg 100% 32%) 8%,
 hsl(340deg 100% 32%) 92%,
 hsl(340deg 100% 16%) 100%,
);
.button-82-front {
display: block;
position: relative;
padding: 12px 27px;
border-radius: 12px;
font-size: 1.1rem;
color: white;
background: hsl(345deg 100% 47%);
will-change: transform;
transform: translateY(-4px);
transition:
 transform
 600ms
 cubic-bezier(.3, .7, .4, 1);
```

```
@media (min-width: 768px) {
.button-82-front {
 font-size: 1.25rem;
 padding: 12px 42px;
.button-82-pushable:hover {
filter: brightness(110%);
-webkit-filter: brightness(110%);
}
.button-82-pushable:hover .button-82-front {
transform: translateY(-6px);
transition:
 transform
 250ms
 cubic-bezier(.3, .7, .4, 1.5);
.button-82-pushable:active .button-82-front {
transform: translateY(-2px);
transition: transform 34ms;
.button-82-pushable:hover .button-82-shadow {
transform: translateY(4px);
transition:
 transform
 250ms
 cubic-bezier(.3, .7, .4, 1.5);
```

```
}
.button-82-pushable:active .button-82-shadow {
transform: translateY(1px);
transition: transform 34ms;
.button-82-pushable:focus:not(:focus-visible) {
outline: none;
.button-7 {
  background-color: #0095ff;
  border: 1px solid transparent;
  border-radius: 3px;
  box-shadow: rgba(255, 255, 255, .4) 0 1px 0 0 inset;
  box-sizing: border-box;
  color: #fff;
  cursor: pointer;
  display: inline-block;
  font-family: -apple-system, system-ui, "Segoe \ UI", "Liberation \ Sans", sans-serif;
  font-size: 13px;
  font-weight: 400;
  line-height: 1.15385;
  margin: 0;
  outline: none;
  padding: 8px .8em;
  position: relative;
  text-align: center;
  text-decoration: none;
```

```
user-select: none;
 -webkit-user-select: none;
 touch-action: manipulation;
vertical-align: baseline;
white-space: nowrap;
.button-7:hover,
.button-7:focus {
background-color: #07c;
.button-7:focus {
 box-shadow: 0 0 0 4px rgba(0, 149, 255, .15);
.button-7:active {
 background-color: #0064bd;
 box-shadow: none;
.button-7 {
 background-color: #0095ff;
 border: 1px solid transparent;
 border-radius: 3px;
 box-shadow: rgba(255, 255, 255, .4) 0 1px 0 0 inset;
 box-sizing: border-box;
 color: #fff;
 cursor: pointer;
 display: inline-block;
 font-family: -apple-system, system-ui, "Segoe UI", "Liberation Sans", sans-serif;
```

```
font-size: 13px;
 font-weight: 400;
 line-height: 1.15385;
 margin: 0;
 outline: none;
 padding: 8px .8em;
 position: relative;
 text-align: center;
 text-decoration: none;
 user-select: none;
 -webkit-user-select: none;
 touch-action: manipulation;
vertical-align: baseline;
white-space: nowrap;
.button-7:hover,
.button-7:focus {
background-color: #07c;
.button-7:focus {
box-shadow: 0 0 0 4px rgba(0, 149, 255, .15);
.button-7:active {
 background-color: #0064bd;
 box-shadow: none;
```

{text-decoration:none;}

#### Step 3: Here we create a php file to insert our data into database ->

Step 1: Create the MySQL Database and Table:

- Access MySQL database using a tool like phpMyAdmin or the MySQL command line.
- Create a new database " project".
- Within this database, create a table "students" to store the form data, specifying appropriate columns (name, father, mother, dob, gender, email, phone, stream, subjects, passyr, passschool)

```
Step 2: Create the HTML page for Addmissin page and link it with "Apply Now" button in "index.php" file.
[project.php]
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>ABC NATIONAL COLLEGE addmission form </title>
  <link rel="stylesheet" href="style.css">
</head>
<body>
<?php
 $host = "localhost";
 $username = "root";
 $password = "";
 $db_name = "project";
 // Create connection
 $link = mysqli_connect($host, $username, $password, $db_name);
   // Check connection
 if (!$link) {
```

```
die("Error Connecting to MySQL server: " . mysqli_connect_error());
 }
 if(isset($_POST['submit'])) {
    $name = $_POST['name'];
    $father = $_POST['father'];
    $mother = $_POST['mother'];
    dob = POST['dob'];
    $gender = $_POST['gender'];
    $email = $_POST['email'];
    $phone = $_POST['phone'];
    $stream = $_POST['stream'];
    $subjects = $_POST['subjects'];
    $passyr = $_POST['passyr'];
    $passschool = $_POST['passschool'];
   if($name!= "" && $father!= "" && $mother!= "" && $dob!= "" && $gender!= "" && $email!= "" && $phone!=
"" && $stream != "" && $subjects != "" && $passyr != "" && $passschool != "") {
      $stmt = $link->prepare("INSERT INTO students (name, father, mother, dob, gender, email, phone, stream,
subjects, passyr, passschool) VALUES (?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?)");
      if ($stmt === false) {
         die("Prepare failed: " . $link->error);
      }
      // Bind parameters (use "ssssssssss" for 11 string parameters)
      $stmt->bind_param("ssssssssss", $name, $father, $mother, $dob, $gender, $email, $phone, $stream, $subjects,
$passyr, $passschool);
      if($stmt->execute()) {
         echo "Updated successfully!";
      } else {
         echo "There is a problem in database: " . $stmt->error;
```

```
}
      $stmt->close();
   } else {
      echo "All fields are required.";
   }
 mysqli_close($link);
?>
<div class="container">
  <img class="bg" src="img2.jpg" alt="snow">
  <h1 align="center" style="color:red; font-family:Goudy Stout"> ABC NATIONAL COLLEGE </h1>
  <h3 align="center" style="color:red; font-family:Bodoni MT Black"> Guwahati xyz, Assam-123456</h3>
<h2 align="center"> Admission Form for ABC NATIONAL COLLEGE, Session2024-25 </h2>
<hr style="width:129%;height:3px;border-width:0;color: black;background-color:black">
<div style="padding-left:45%;">
<input type="file" id="fileInput" accept="image/*">
 <label for="fileInput" class="upload-btn">Student's Photo</label>
 <br>
 <img src="#" id="profileImg" class="profile-img" alt="">
</div>
 <script>
  // JavaScript to handle image upload and display
  const fileInput = document.getElementById('fileInput');
  const profileImg = document.getElementById('profileImg');
  fileInput.addEventListener('change', function() {
   const file = this.files[0];
```

```
if (file) {
    const reader = new FileReader();
    reader.onload = function(e) {
     profileImg.src = e.target.result;
    }
    reader.readAsDataURL(file);
   }
 });
 </script>
 <br>
 <h2 align="center"> STUDENT DETAILS </h2> <br>
<form method="post" action="">
                   <input type="text" name="name" id="name" />
  Name:
  Father's Name:
                      <input type="text" name="father" id="father" />
  Mother's Name:
                       <input type="text" name="mother" id="mother" />
  Date of Birth:
                    <input type="date" name="dob" id="dob" />
  Gender:
                   <input type="text" name="gender" id="gender" />
                  <input type="email" name="email" id="email" />
  Email:
  Phone:
                   <input type="number" name="phone" id="phone" />
                   <input type="text" name="stream" id="stream" />
  Stream:
                   <input type="text" name="subjects" id="subjects" />
  Subjects:
                     <input type="text" name="passyr" id="passyr" />
  Year of passing:
  Name of the School from where passed 10th:
                                                  <input type="text" name="passschool" id="passschool" />
  <br>
  <br>
            I declare that the particulars furnished by me above are true to the best of my knowledge and belief.
  >
```

```
Step 4: Link this css file to [project.php] for styling the form
[style.css]
input, textarea{
  border: 2px solid black;
  border-radius: 6px;
  outline: none;
  font-size: 16px;
  width: 80%;
  margin: 11px 0px;
  padding: 8px;
.bg{
  width: 100%;
  height:250%;
  position: absolute;
  z-index: -1;
  opacity: 0.6;
```

```
*{
  margin: 0px;
  padding: 0px;
  box-sizing: border-box;
  font-family: 'Roboto', sans-serif;
}
.container{
  max-width: 80%;
  padding-left: 30px;
  margin: auto;
  font-size: 20px;
}
.container h1 {
  text-align: center;
  font-family: 'Sriracha', cursive;
  font-size: 40px;
}
p{
  font-size: 17px;
  text-align: center;
  font-family: 'Sriracha', cursive;
}
form{
  display: flex;
  align-items: center;
  justify-content: center;
  flex-direction: column;
```

```
}
.profile-img {
  width: 150px;
  height: 150px;
  border: 2px solid black;
  border-radius: 5px;
  object-fit: cover;
 input[type="file"] {
  display: none;
 }
 .upload-btn {
  padding: 8px 15px;
  color: #0b0b0b;
  border: none;
  cursor: pointer;
 }
button{
  width:200px;
  color: white;
  background: purple;
  padding: 8px 12px;
  font-size: 20px;
  border: 2px solid white;
  border-radius: 14px;
  cursor: pointer;
```

## **Outcome: Here is the outcome of this project.**





