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Course and Section: IN4074

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## **IN4074 - Assignment 1 - Project Proposal**

## **Objective**

Assignment asks you to develop pages using HTML, CSS.

## **Resources**

Internet, IN3033 Markup Languages

## **Instructions**

1. Write a proposal (300-500 words) that describes a database driven web application that you will deliver as a final project.
2. Format the proposal as a web page. First, describe the project from the viewpoint of the user, not a web programmer. Specifically, describe the features the application provides, not how they are done. Subsequent parts of the proposal should describe key aspects of the user interface and the kind of data that needs to be stored in the database.
3. Create a web page with a navigation page that is consistent for the whole site.
4. Create at least 4 pages.
   1. Home Page; named as index.html
   2. A page dedicated to showcase your knowledge of form elements
5. A dedicated css folder
   1. Css file for the navigation
   2. Css file for each html file
6. MySQL and PHP integration will be part of Assignment 2 milestone.

## **Evaluation**

Your website will be evaluated out of 100 based on the following criteria and breakdown.

* **Design - 40%**
  + Consistency of fonts, colors, size and layout
  + Use of images and logos
  + Each page should have a unique title and a comment indicating your name(s) and student number.
* **Content - 20%**
  + Information on the website is relevant to the topic selected
* **Functionality - 40%** 
  + Use of various elements for HTML and CSS
  + Separate css file and other elements are referenced for the HTML
  + <https://validator.w3.org/>
  + <https://jigsaw.w3.org/css-validator/>

**Solution: Code for the website is given below:  
1. HTML code is given here:**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<link rel="stylesheet" href="navigation.css">

<link rel="stylesheet" href="test.css">

<title>Database-Driven Web App Proposal</title>

</head>

<body>

<header>

<nav>

<ul>

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

<li><a href="form.html">Form Elements</a></li>

</ul>

</nav>

</header>

<main>

<section id="proposal">

<h1>Database-Driven Web Application Proposal</h1>

<p>Welcome to the proposal for our upcoming database-driven web application. This project is designed to cater to users in need of [describe the main purpose of the application].</p>

<h2>User-Centric Features</h2>

<p>The application will provide the following key features for a seamless user experience:</p>

<ul>

<li>\*\*Feature 1: Personalized User Profiles\*\* - Users can create and manage personalized profiles, ensuring a tailored experience.</li>

<li>\*\*Feature 2: Data Visualization\*\* - Interactive charts and graphs will help users visualize complex data in an easy-to-understand format.</li>

<li>\*\*Feature 3: Collaborative Spaces\*\* - Users can collaborate on projects, sharing information and updates within the application.</li>

<li>\*\*Feature 4: Real-time Notifications\*\* - Users will receive instant notifications for important updates, ensuring timely awareness of changes.</li>

</ul>

<h2>User Interface Design</h2>

<p>The user interface will be intuitive and user-friendly, emphasizing consistency in fonts, colors, and layout. Each page will have a unique title reflecting its content, ensuring easy navigation. The design will focus on simplicity, aiming to enhance the overall user experience.</p>

<h2>Data Storage Requirements</h2>

<p>The application will interact with a MySQL database, storing various types of data, including user profiles, project details, and collaboration history. The integration of PHP for server-side processing will be implemented in Assignment 2, enabling dynamic interactions and seamless data management.</p>

</section>

</main>

<footer>

<p>&copy; Diwakar | 202107090</p>

</footer>

</body>

</html>

**CSS file is given below:**

/\* Index Styles \*/

body {

font-family: 'Arial', sans-serif;

}

header {

background-color: #4CAF50;

color: white;

padding: 10px;

}

main {

max-width: 800px;

margin: 20px auto;

}

footer {

background-color: #333;

color: white;

text-align: center;

padding: 10px;

position: fixed;

bottom: 0;

width: 100%;

}

**Second Page:**

**HTML Code:**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

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

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

<title>Form Elements - Database Web App</title>

</head>

<body>

<header>

<nav>

<ul>

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

<li><a href="form.html">Form Elements</a></li>

<!-- Add more navigation links for future pages -->

</ul>

</nav>

</header>

<main>

<section id="form">

<h1>Showcasing Form Elements</h1>

<p>Explore the various form elements and their functionalities that our web application supports.</p>

<form>

<label for="name">Name:</label>

<input type="text" id="name" name="name" required>

<label for="email">Email:</label>

<input type="email" id="email" name="email" required>

<label for="message">Message:</label>

<textarea id="message" name="message" rows="4" required></textarea>

<input type="submit" value="Submit">

</form>

</section>

</main>

<footer>

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</footer>

</body>

</html>

**CSS file is given below:**

#form {

max-width: 800px;

margin: 20px auto;

}

form {

display: flex;

flex-direction: column;

max-width: 400px;

margin: 20px auto;

}

label {

margin-bottom: 5px;

}

input, textarea {

margin-bottom: 15px;

padding: 8px;

}

input[type="submit"] {

background-color: #4CAF50;

color: white;

cursor: pointer;

}

**Third page:**

**HTML code:**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

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

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

<title>Application Features - Database Web App</title>

</head>

<body>

<header>

<nav>

<ul>

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

<li><a href="form.html">Form Elements</a></li>

<li><a href="features.html">Features</a></li>

<!-- Add more navigation links for future pages -->

</ul>

</nav>

</header>

<main>

<section id="features">

<h1>Application Features</h1>

<p>Explore the powerful features that make our database-driven web application stand out:</p>

<ul>

<li>

<h2>Custom Dashboards</h2>

<p>Create personalized dashboards to monitor and analyze data specific to your needs.</p>

</li>

<li>

<h2>Data Security</h2>

<p>Robust security measures to ensure the confidentiality and integrity of your data.</p>

</li>

<li>

<h2>Advanced Search</h2>

<p>Efficiently locate information with our advanced search capabilities, including filters and sorting options.</p>

</li>

<li>

<h2>Collaborative Workspaces</h2>

<p>Foster teamwork with collaborative workspaces, allowing multiple users to contribute to projects seamlessly.</p>

</li>

</ul>

</section>

</main>

<footer>

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</footer>

</body>

</html>

**CSS Code is given below:**

#features {

max-width: 800px;

margin: 20px auto;

}

ul {

list-style-type: none;

padding: 0;

}

li {

margin-bottom: 20px;

}

h2 {

color: #4CAF50;

}

Fourth Page:

HTML code:

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

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

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

<title>About Us - Database Web App</title>

</head>

<body>

<header>

<nav>

<ul>

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

<li><a href="form.html">Form Elements</a></li>

<li><a href="features.html">Features</a></li>

<li><a href="about.html">About Us</a></li>

<!-- Add more navigation links for future pages -->

</ul>

</nav>

</header>

<main>

<section id="about">

<h1>About Us</h1>

<p>Welcome to our database-driven web application! Learn more about the team behind the scenes.</p>

<p>Our team is dedicated to creating innovative solutions that empower users to efficiently manage and analyze their data. With a passion for technology and a commitment to user satisfaction, we strive to deliver a seamless and user-friendly experience.</p>

<h2>Our Mission</h2>

<p>Our mission is to provide a robust and user-centric platform that simplifies data management and enhances collaboration. We aim to empower individuals and organizations by offering advanced features and a secure environment for their data needs.</p>

<h2>Meet the Team</h2>

<ul>

<li>

<h3>Harshit</h3>

<p>Lead Developer</p>

</li>

<li>

<h3>Sheki Sandu</h3>

<p>UX/UI Designer</p>

</li>

<li>

<h3>Mahesh Dalal</h3>

<p>Database Specialist</p>

</li>

</ul>

</section>

</main>

<footer>

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</footer>

</body>

</html>

**Css code:**

#about {

max-width: 800px;

margin: 20px auto;

}

h2, h3 {

color: #4CAF50;

margin-top: 15px;

}

ul {

list-style-type: none;

padding: 0;

}

li {

margin-bottom: 20px;

}