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**SDM College of Engineering and Technology**

**Department of Computer Science & Engineering**

**CTA Activity REPORT**

**On**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Web Technology - 18UCSO707**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| --- | --- | --- | --- | --- |
| **Activity. No** | **Title** | **Max.**  **Marks** | **Marks**  **Scored** | **Out of 10 M** |
| 1 | Designing of static web pages | 10 |  |  |
| 2 |  | 10 |  |
| 3 |  | 10 |  |
| 4 | (It is an optional activity, it is applicable only to those who attempt this activity, Others can remove this) | 10 |  |
| 5 |  |  |  |
| **Total Marks** | | 50 |  |

**Note: The total scored mark will be scaled down to 10M.**

**Submitted**

**By**

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**VII Semester, `A` Division Academic Year:2023-24**

**Course Teacher**

**Prathap Kumar M.K.**

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**Activity – 1**

**(Designing of static web pages)**

1. **Problem statement**

**Students face technical & coding related problems all the time. Our proposal is a website where students and teacher can post their problems and give solutions.**

**Requirements:**

1. Development of static web pages for the identified problem statement.

**Implementation:**

1. Designing of Web page(s) using HTML/XHTML/HTML5.
2. Creation of XML file for the identified problem statement
3. Creation of DTD file for the identified problem statement
4. Creation of XSD file for the identified problem statement

**Solution:**

1. **HTML Source Code**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>SDMCET QUERY</title>

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

</head>

<body>

<header>

<h1>SDMCET QUERY</h1>

<nav>

<ul>

<li><a class="header-item" href="#home">Home</a></li>

<li><a class="header-item" href="#about">About Us</a></li>

<li><a class="header-item" href="#contact">Contact</a></li>

</ul>

</nav>

</header>

<main>

<section class="question-section">

<h2>Ask a Question</h2>

<textarea id="question" placeholder="Ask your question here"></textarea>

<button id="ask-button">Ask</button>

</section>

<section class="question-list">

<h2>Recent Questions</h2>

<ul id="question-list">

<!-- Questions and answers will be dynamically added here -->

<li>

<h3>Question Title</h3>

<p>Question content goes here...</p>

<button class="answer-button">Answer</button>

</li>

<!-- Repeat for more questions -->

</ul>

</section>

</main>

<footer>

<p>&copy; 2023 SDMCET </p>

</footer>

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

</body>

</html>

1. **XML Source Code.**

<queries xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:noNamespaceSchemaLocation="queries.xsd">

<query>

<description> Question or Problem goes here </description>

<author>Person who posted the query</author>

<date> Posted On </date>

<tags>

<tag>Related Keyword</tag>

<tag>Related Keyword</tag>

<tag>Related Keyword</tag>

<tag>Related Keyword</tag>

</tags>

<answers>

<answer>

<description>Solution Submitted</description>

<author>Posted by</author>

<date>Posted on </date>

</answer>

<answer>

<description>Solution Submitted</description>

<author>Posted by</author>

<date>posted on </date>

</answer>

</answers>

</query>

<query>

<description> Question or Problem goes here </description>

<author>Person who posted the query</author>

<date> Posted On </date>

<tags>

<tag>Related Keyword</tag>

<tag>Related Keyword</tag>

<tag>Related Keyword</tag>

<tag>Related Keyword</tag>

</tags>

<answers>

<answer>

<description>Solution Submitted</description>

<author>Posted by</author>

<date>posted on </date>

</answer>

<answer>

<description>SOluton Submitted</description>

<author>POsted by</author>

<date>posted on </date>

</answer>

</answers>

</query>

</queries>

1. **DTD Source Code**

<!ELEMENT queries (query+)>

<!ELEMENT query (description,author,date,tags,answers)>

<!ELEMENT description (#PCDATA)>

<!ELEMENT author (#PCDATA)>

<!ELEMENT date (#PCDATA)>

<!ELEMENT tags (tag+)>

<!ELEMENT tag (#PCDATA)>

<!ELEMENT answers (answer+)>

<!ELEMENT answer (description,author,date)>

1. **XSD Source Code**

<?xml version="1.0" encoding="UTF-8"?>

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="queries">

<xs:complexType>

<xs:sequence>

<xs:element name="query" maxOccurs="unbounded">

<xs:complexType>

<xs:sequence>

<xs:element name="description" type="xs:string" />

<xs:element name="author" type="xs:string" />

<xs:element name="date" type="xs:string" />

<xs:element name="tags">

<xs:complexType>

<xs:sequence>

<xs:element name="tag" maxOccurs="unbounded"

type="xs:string" />

</xs:sequence>

</xs:complexType>

</xs:element>

<xs:element name="answers">

<xs:complexType>

<xs:sequence>

<xs:element name="answer" maxOccurs="unbounded">

<xs:complexType>

<xs:sequence>

<xs:element name="description" type="xs:string" />

<xs:element name="author" type="xs:string" />

<xs:element name="date" type="xs:string" />

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:sequence>

</xs:complexType>

</xs:element>

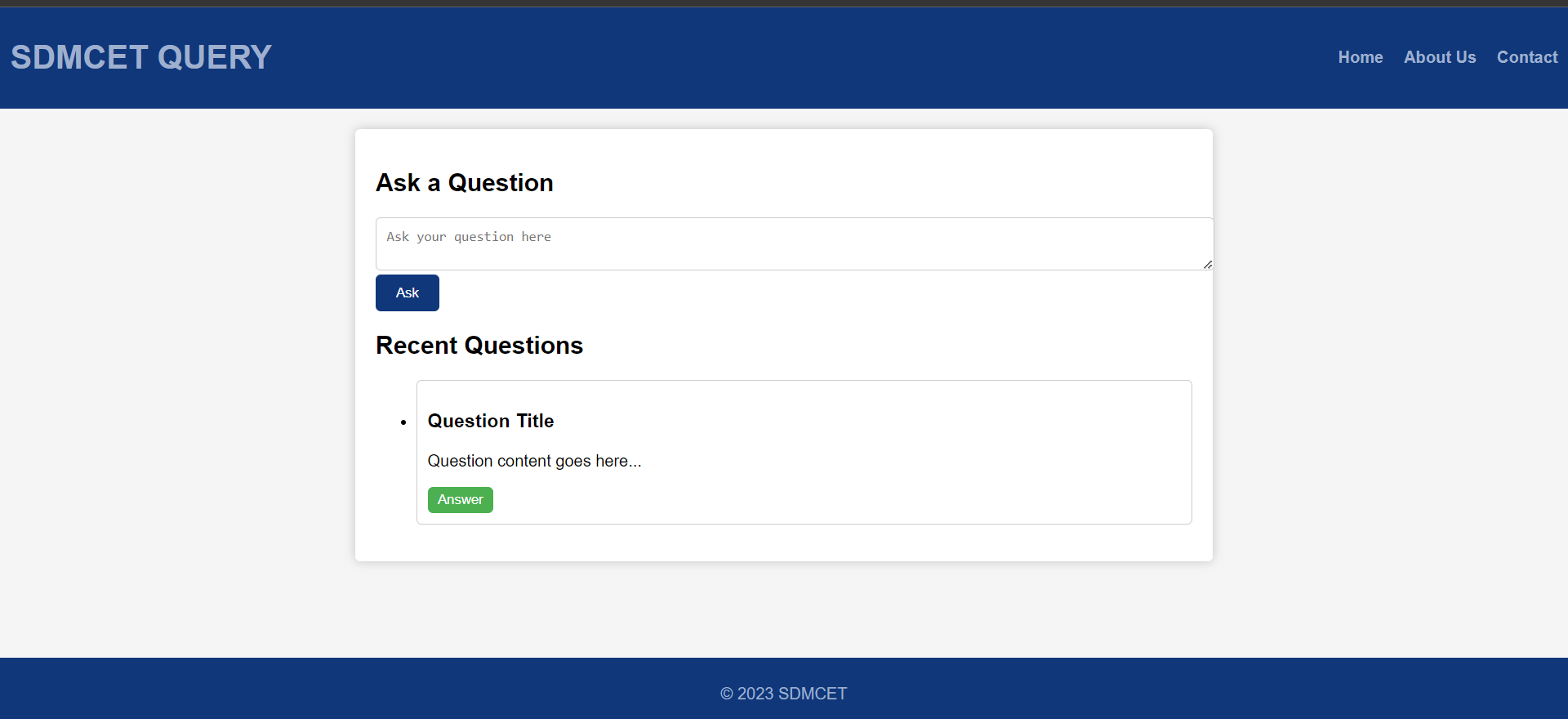
</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

**Results:**

****

**Activity-2**

**(Implementation of CSS & JavaScript)**

1. **Problem statement**

🡨 **Enter Assignment-2 complete problem statement/requirement definition. Once you edit this page, please remove this statement.**🡪

**E.g.:**

Integration of CSS and JavaScript to activity-1

**Solution:**

<<Web page source code including HTML, CSS & JavaScript>>

**Results:**

<<Results screenshots>>:

**Activity-III**

1. **Problem statement**

🡨 **Enter Assignment-3 complete problem statement/requirement definition. Once you edit this page, please remove this statement.**🡪

**Solution:**

**Result Screenshots:**