**My Blog**

**Name: Dhanashree Sikandar Sul**

**PRN No: 123B1B273**

**E-mail: dhanashree.sul23@pccoepune.org**

**Objective:**

The goal of this task is to create a fully functional blog website where users can add, view, update, delete, and interact with blog posts. The focus will be on frontend.

**How to set-up and run:**

* Open Notepad++.
* Create following files (index.html, styles.css, scripts.js)
* Save the files with given extensions.
* Open the folder where you have saved the files
* Then click on html file.
* Open that file via browser.

**index.html**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Blog Website</title>

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

</head>

<body>

<header>

<h1 align = center>MY BLOG</h1>

<button onclick="showAddBlogForm()">Add Blog</button>

</header>

<section id="blog-list">

<!-- Blog posts will be displayed here -->

</section>

<!-- Add/Edit Blog Form -->

<div id="blog-form-container"><br><br>

<form id="blog-form">

<align=center label for="title">Title:</label>

<input type="text" id="title" name="title" placeholder="Enter the blog title"><br><br>

<align=center label for="description">Description:</label>

<input type="text" id="description" name="description" placeholder="Enter a short description"><br><br>

<align=center label for="content">Content:</label>

<textarea id="content" name="content" placeholder="Enter the blog content"></textarea><br><br>

<align=center label for="image">Image:</label>

<input type="file" id="image" name="image"><br><br>

<button type="submit" onclick="saveBlog(event)">Save Blog</button><br>

</form>

</div>

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

</body>

</html>

**styles.css**

body {

font-family: Arial, sans-serif;

margin: 12;

padding: 10;

display: flex;

flex-direction: column;

background-color:#D4D7Db;

}

header {

width: 100%;

background-color: #4F5B67;

color: white;

padding: 20px;

text-align:center;

top: 0;

z-index: 1000;

}

button {

padding: 10px 20px;

background-color:#CCE1F2 ;

color: #04060b;

font-family: Times New Roman;

border: none;

cursor: pointer;

}

#blog-list {

width: 80%;

margin-top: 20px;

display: flex;

flex-wrap: wrap;

gap: 20px;

}

.blog-card {

border: 1px solid #ccc;

padding: 20px;

width: 20%;

background-color: #C7D0D7;

position: relative;

}

.blog-card img {

width: 100%;

height: auto;

align-content: center

}

.blog-card button {

background-color: #4ebc84;

position:static;

top: 10px;

right: 10px;

display: inline-block;

margin-top: 10px;

}

#blog-form-container {

display: none;

width: 100%;

position: fixed;

top: 0;

left: 0;

background-color: rgba(1, 0, 4, 0.5);

justify-content: center;

align-items: center;

height: 100vh;

}

#blog-form {

background-color: #C7D0D7;

padding: 20px;

border-radius: 5px;

width: 50%;

box-sizing: border-box;

}

**scripts.js**

let blogs = [];

let currentBlogId = null;

function showAddBlogForm() {

document.getElementById('blog-form-container').style.display = 'flex';

document.getElementById('blog-form').reset();

currentBlogId = null;

}

function saveBlog(event) {

event.preventDefault();

const title = document.getElementById('title').value;

const description = document.getElementById('description').value;

const content = document.getElementById('content').value;

const image = document.getElementById('image').files[0];

const blog = {

id: currentBlogId !== null ? currentBlogId : Date.now(),

title,

description,

content,

imageUrl: URL.createObjectURL(image),

likes: 0,

bookmarked: false

};

if (currentBlogId !== null) {

blogs = blogs.map(b => b.id === currentBlogId ? blog : b);

} else {

blogs.push(blog);

}

document.getElementById('blog-form-container').style.display = 'none';

displayBlogs();

}

function displayBlogs() {

const blogList = document.getElementById('blog-list');

blogList.innerHTML = '';

blogs.forEach(blog => {

const blogCard = document.createElement('div');

blogCard.className = 'blog-card';

blogCard.innerHTML = `

<img src="${blog.imageUrl}" alt="${blog.title}">

<h3>${blog.title}</h3>

<p>${blog.description}</p>

<button onclick="deleteBlog(${blog.id})">Delete</button>

<button onclick="editBlog(${blog.id})">Edit</button>

<button onclick="likeBlog(${blog.id})">Like (${blog.likes})</button>

<button onclick="bookmarkBlog(${blog.id})">

${blog.bookmarked ? 'Unbookmark' : 'Bookmark'}

</button>

`;

console.log(`Buttons for blog ${blog.title} created`);

blogList.appendChild(blogCard);

});

}

function deleteBlog(id) {

blogs = blogs.filter(blog => blog.id !== id);

displayBlogs();

}

function editBlog(id) {

const blog = blogs.find(b => b.id === id);

currentBlogId = id;

document.getElementById('title').value = blog.title;

document.getElementById('description').value = blog.description;

document.getElementById('content').value = blog.content;

document.getElementById('blog-form-container').style.display = 'flex';

}

function likeBlog(id) {

const blog = blogs.find(b => b.id === id);

blog.likes += 1;

displayBlogs();

}

function bookmarkBlog(id) {

const blog = blogs.find(b => b.id === id);

blog.bookmarked = !blog.bookmarked;

displayBlogs();

}