**4th assignment**

**WRC078BEI048**

**Report on Running an Attendance Viewer Website Using GitHub**

**Introduction**

This report outlines the process of setting up and running an attendance viewer website using GitHub. The website is designed to display attendance records in an easy-to-read format. The development involves using HTML and CSS for the frontend and GitHub for version control and hosting.

**Setting Up GitHub Repository**

1. **Create a GitHub Account**: Sign up for a GitHub account if you do not already have one.
2. **Create a New Repository**: Navigate to GitHub and create a new repository. Name it appropriately, for example, "attendance-viewer".
3. **Initialize the Repository**: Initialize the repository with a README file to provide an overview of the project.

**Developing the Website**

The website consists of two main components: HTML for structure and CSS for styling.

1. **HTML Structure**: The HTML file will define the structure of the attendance viewer.
2. **CSS Styling**: The CSS file will style the HTML elements to make the website visually appealing.

**HTML Code**

Create an index.html file with the following code:

html

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Attendance Viewer</title>

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

</head>

<body>

<header>

<h1>Attendance Viewer</h1>

</header>

<main>

<table>

<thead>

<tr>

<th>Name</th>

<th>Date</th>

<th>Status</th>

</tr>

</thead>

<tbody>

<tr>

<td>John Doe</td>

<td>2024-07-12</td>

<td>Present</td>

</tr>

<tr>

<td>Jane Smith</td>

<td>2024-07-12</td>

<td>Absent</td>

</tr>

<!-- Additional rows can be added here -->

</tbody>

</table>

</main>

<footer>

<p>&copy; 2024 Attendance Viewer</p>

</footer>

</body>

</html>

**CSS Code**

Create a styles.css file with the following code:

css

body {

font-family: Arial, sans-serif;

margin: 0;

padding: 0;

background-color: #f4f4f4;

}

header {

background-color: #333;

color: white;

padding: 1rem;

text-align: center;

}

main {

padding: 2rem;

}

table {

width: 100%;

border-collapse: collapse;

margin-top: 1rem;

}

table, th, td {

border: 1px solid #ddd;

}

th, td {

padding: 1rem;

text-align: left;

}

th {

background-color: #f2f2f2;

}

tr:nth-child(even) {

background-color: #f9f9f9;

}

footer {

text-align: center;

padding: 1rem;

background-color: #333;

color: white;

position: fixed;

width: 100%;

bottom: 0;

}

**Hosting the Website on GitHub Pages**

1. **Push the Code to GitHub**: Use Git to push the index.html and styles.css files to your GitHub repository.
2. **Enable GitHub Pages**: Go to the repository settings, scroll down to the "GitHub Pages" section, and select the source branch (e.g., main or master). Save the changes.
3. **Access the Website**: Once GitHub Pages is enabled, your website will be live at https://<username>.github.io/<repository-name>.

**Conclusion**

The attendance viewer website is now live and accessible via GitHub Pages. This setup ensures that the website is easy to maintain and update using GitHub's version control system. The HTML and CSS code provides a simple yet effective way to display attendance records.

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