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Aim: Implementation of CSS

THEORY:

1. What is CSS?

- Styles HTML elements
- Controls layout, colors, fonts
- Makes websites responsive

2. Three Ways to Apply CSS

A. Inline CSS

- Added directly to HTML tags
- Highest priority
- Example: `<p style="color:red;">Red text</p>`

Pros:

- ✓ Quick to apply
- ✓ Overrides other styles

Cons:

- X Hard to maintain
- X Not reusable

B. Internal CSS

- Placed in `<style>` tag in `<head>`
- Applies to single page
- Example:

```
<style> p { color: blue; } </style>
```

Pros:

- ✓ Better than inline
- ✓ Good for small projects

Cons:

- X Not for multiple pages

C. External CSS

- Separate .css file
- Linked with `<link>` tag
- Best for large sites
- Example:

```
<link rel="stylesheet" href="style.css">
```

Pros:
✓ Easy maintenance
✓ Faster loading
✓ Reusable

1. Inline CSS (strongest)
2. Internal CSS
3. External CSS (weakest)

Cons:
X Extra file needed

Best Practices

- Use External CSS for big projects
- Use Inline only for quick fixes
- Internal for testing/small pages

3. Which One Wins?

Priority Order:

CODE:

index.html

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta
      charset="UTF-8" />
    <meta
      name="viewport"
      content="width=device-
width, initial-scale=1.0"
/>
    <title>Login
Form</title>
    <link
      href="https://
cdn.jsdelivr.net/npm/boots
trap@5.3.3/dist/css/bootst
rap.min.css"
      rel="styleshee
t"
    />
    <style>
      :root {
        --dark-bg:
#212121;
        --darker-
bg: #262626;
        --card-bg:
#333333;
        --text-
color: #ccc;
```

```
        --primary-
color: #ccc;
        --hover-
color: #555555;
      }
      body {
        min-
height: 100vh;
        display:
flex;
        flex-
direction: column;
        background
-color: var(--dark-bg);
        color:
var(--text-color);
      }
      .navbar {
        background
-color: var(--darker-bg)
!important;
      }
      .navbar-brand,
      .nav-link {
        color:
var(--text-color)
!important;
      }
      .nav-
link:hover {
```

```
        color:
var(--primary-color)
!important;
      }
      .navbar-
toggler {
        border-
color: rgba(255, 255, 255,
0.1);
      }
      .navbar-
toggler-icon {
        background
-image:
url("data:image/svg+xml,%3
csvg
xmlns='http://www.w3.org/2
000/svg' viewBox='0 0 30
30'%3e%3cpath
stroke='rgba%28255, 255,
255, 0.75%29' stroke-
linecap='round' stroke-
miterlimit='10' stroke-
width='2' d='M4 7h22M4
15h22M4
23h22'/%3e%3c/svg%3e");
      }
      .form-
container {
        flex: 1;
        display:
flex;
        align-
items: center;
```

```

        justify-
content: center;
        padding:
2rem;
    }

    .login-form {
        width:
100%;
        max-width:
600px;
        padding:
2rem;
        border-
radius: 10px;
        box-
shadow: 0 10px 20px
        rgba(0, 0, 0, 0.3);
        background
        -color: var(--card-bg);
        border:
1px solid rgba(255, 255,
255, 0.1);
    }
    .login-title {
        text-
align: center;
        margin-
bottom: 1.5rem;
        color:
var(--primary-color);
        font-
weight: 600;
    }
    .form-control,
    .form-select {
        background
        -color: rgba(0, 0, 0,
0.2);
        border-
color: rgba(255, 255, 255,
0.1);
        color:
var(--text-color);
    }
    .form-
control:focus,
    .form-
select:focus {
        background
        -color: rgba(0, 0, 0,
0.3);

```

```

        border-
color: var(--primary-
color);
        color:
var(--text-color);
        box-
shadow: 0 0 0 0.25rem
        rgba(76, 201, 240, 0.25);
    }
    .form-label {
        color:
var(--text-color);
    }
    .btn-primary {
        background
        -color: var(--primary-
color);
        border-
color: var(--primary-
color);
        color:
#111;
    }
    .btn-
primary:hover {
        background
        -color: var(--hover-
color);
        border-
color: var(--hover-color);
    }
    .form-check-
input {
        background
        -color: rgba(0, 0, 0,
0.2);
        border-
color: rgba(255, 255, 255,
0.1);
    }
    .form-check-
input:checked {
        background
        -color: var(--primary-
color);
        border-
color: var(--primary-
color);
    }
}
</style>
</head>
<body>

```

```

<nav class="navbar
navbar-expand-lg navbar-
dark">
    <div
class="container-fluid">
        <a
class="navbar-brand"
href="#">INPEXP2</a>
        <button
class=
"navbar-toggler"
type="
button"
data-
bs-toggle="collapse"
data-
bs-target="#navbarNav"
aria-
controls="navbarNav"
aria-
expanded="false"
aria-
label="Toggle navigation"
>
            <span
class="navbar-toggler-
icon"></span>
        </button>
        <div
class="collapse navbar-
collapse" id="navbarNav">
            <ul
class="navbar-nav">
                <li
i class="nav-item">
                    <a
class="nav-link
active"
aria-current="page"
href="#"
>Home</a>
                >
            </li>
            <li
i class="nav-item">
                <a class="nav-link

```

```

active"
href="#">Features</a>
    </li>
    <li>
        <a class="nav-link
active" href="#">About</a>
    </li>
    <li>
        <a class="nav-link
active" href="#">Login</a>
    </li>
</ul>
</div>
<div class="form-
container">
    <div
class="login-form">
        <h2
class="login-
title">Register</h2>
        <form
class="row g-3">
            <div
class="col-md-6">
                <label
for="inputEmail4"
class="form-label">
                    Email</label>
                <input
type="email"
class="form-control"
id="inputEmail4"
/>
            </div>
            <div
class="col-md-6">
                <label
for="inputPassword4"
class="form-label">
                    Password</label>
                <input
type="password"
class="form-control"
id="inputPassword4"
/>
            </div>
            <div
class="col-12">
                <label
for="inputAddress"
class="form-label">
                    Address</label>
                <input
type="text"
class="form-control"
id="inputAddress"
placeholder="1234 Main
St"
/>
            </div>
            <div
class="col-12">
                <label
for="inputAddress2"
class="form-label">
                    Address 2</label>
                <input
type="text"
class="form-control"
id="inputAddress2"
/>
            </div>
        </form>
    </div>
    <div
class="col-md-4">
        <label
for="inputState"
class="form-
label">State</label>
        <select
id="inputState"
class="form-select">
            <option
selected>Choose...</option>
            <option>...</option>
        </select>
    </div>
    <div
class="col-md-2">
        <label
for="inputZip"
class="form-
label">Zip</label>
        <input
type="text"
class="form-control"
id="inputZip" />
    </div>
</div>
<div
class="col-12">
    <div class="form-check">

```

```

<input                                Remember me                                button>                                </
                                </div>
                                </form>
                                </div>
                                </div>
                                <script
                                src="https://cdn.jsdelivrivr.
                                net/npm/bootstrap@5.3.3/di
                                st/js/bootstrap.bundle.min
                                .js"></script>
                                </body>
                                </html>

class="form-check-
input"
                                </label>
                                </div>
                                </div>
                                <div
                                class="col-12">
                                <b
                                utton type="submit"
                                class="btn btn-primary w-
                                100">
                                Sign in

                                type="checkbox"
                                id="gridCheck"
                                />
                                <label class="form-
                                check-label"
                                for="gridCheck">

```

OUTPUT:

