

Experiment No. 03

Title: Create flexible content layout using CSS3.

Batch: SY-IT(B3)**Roll No.:16010423076****Experiment No.: 3**

Aim: To apply basic CSS and flexible content layout using CSS3 to your website..

Resources needed: Notepad++, Bracket, Sublime Text, any Web Browser and Internet.

Theory:

Cascading Style Sheets (CSS) is a style sheet language used for describing the presentation of a document written in a markup language. HTML was NEVER intended to contain tags for formatting a web page. HTML was created to **describe the content** of a web page. CSS is designed primarily to enable the separation of document content from document presentation, including aspects such as the layout, colors, and fonts. This separation can improve content accessibility, provide more flexibility and control in the specification of presentation characteristics, enable multiple HTML pages to share formatting by specifying the relevant CSS in a separate .css file, and reduce complexity and repetition in the structural content. The file should not contain any html tags. The style sheet file must be saved with a .css extension.

CSS has various levels and profiles like CSS1, CSS2, CSS3, CSS4.

There are three ways of inserting a style sheet:

- External style sheet
- Internal style sheet
- Inline style

External Style Sheet

Each page must include a reference to the external style sheet file inside the <link> element. The <link> element goes inside the <head> section of html page. An external style sheet is ideal when the style is applied to many pages.

Internal Style Sheet

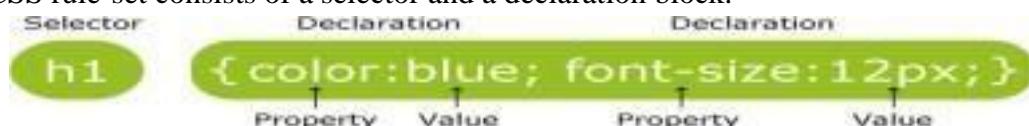
An internal style sheet may be used if one single page has a unique style. Internal styles are defined within the <style> element, inside the<head> section of an HTML page

Inline Styles

An inline style may be used to apply a unique style for a single element. To use inline styles, add the style attribute to the relevant element. The style attribute can contain any CSS property.

CSS Rule-Set

A CSS rule-set consists of a selector and a declaration block:



Eg:-

```
p {
  text-align: center;
  color: red;
}
```

Here p stands for paragraph element.

CSS Colors and Backgrounds

Colors can be applied by using colors and background-color. Colors are displayed combining RED, GREEN, and BLUE light. The CSS background properties are used to define the background effects for elements.

CSS Margin and Padding Properties.

The CSS margin properties are used to generate space around elements. Margin is the space outside something whereas padding is the space inside something. The margin properties set the size of the white space OUTSIDE the border. The CSS padding properties are used to generate space around content. The padding properties set the size of the white space between the element content and the element border.

CSS Dimension Properties

The CSS dimension properties allow you to control the height and width of an element.

Navigation Bars

Having easy-to-use navigation is important for any web site. With CSS you can transform boring HTML menus into good-looking navigation bars.

CSS Flexbox Layout

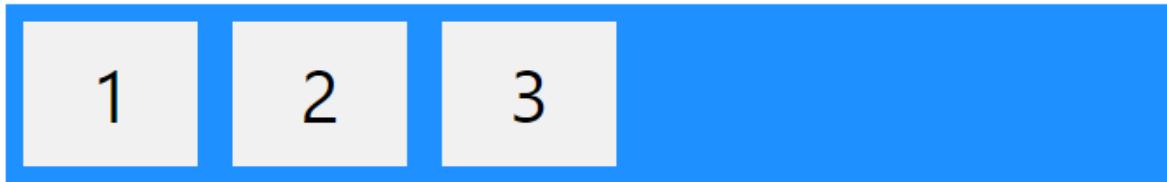
The Flexible Box Layout Module makes it easier to design flexible responsive layout structure without using float or positioning.

The flexbox properties are supported in all modern browsers.

				
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Flexbox Elements

To start using the Flexbox model, you need to first define a flex container.



The element above represents a flex container (the blue area) with three flex items.

Example

```
<!DOCTYPE html>
<html>
<head>
<style>
.flex-container {
  display: flex;
  background-color: DodgerBlue;
}
```

```
.flex-container > div {
  background-color: #f1f1f1;
  margin: 10px;
  padding: 20px;
  font-size: 30px;
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<div class="flex-container">
<div>1</div>
<div>2</div>
<div>3</div>
</div>
```

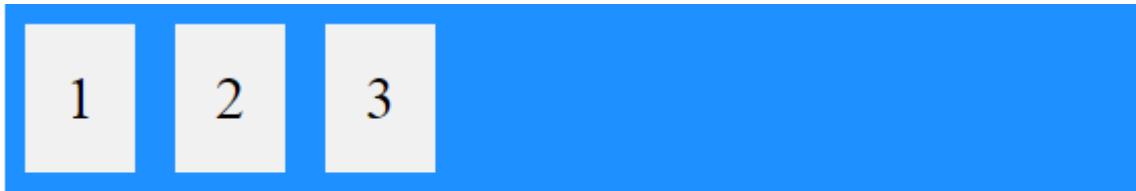
<p>A Flexible Layout must have a parent element with the display property set to flex. </p>

<p>Direct child elements(s) of the flexible container automatically becomes flexible items.</p>

```
</body>
```

```
</html>
```

Output



A Flexible Layout must have a parent element with the `display` property set to `flex`.

Direct child elements(s) of the flexible container automatically becomes flexible items.

The CSS Flexbox Container Properties

The following table lists all the CSS Flexbox Container properties:

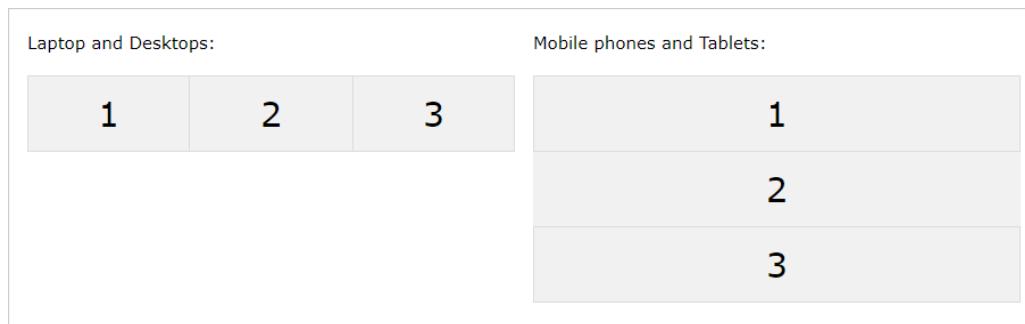
Property	Description
<code>align-content</code>	Modifies the behavior of the flex-wrap property. It is similar to align-items, but instead of aligning flex items, it aligns flex lines
<code>align-items</code>	Vertically aligns the flex items when the items do not use all available space on the cross-axis
<code>display</code>	Specifies the type of box used for an HTML element
<code>flex-direction</code>	Specifies the direction of the flexible items inside a flex container
<code>flex-flow</code>	A shorthand property for flex-direction and flex-wrap
<code>flex-wrap</code>	Specifies whether the flex items should wrap or not, if there is not enough room for them on one flex line
<code>justify-content</code>	Horizontally aligns the flex items when the items do not use all available space on the main-axis

The CSS Flexbox Items Properties

The following table lists all the CSS Flexbox Items properties:

Property	Description
<u>align-self</u>	Specifies the alignment for a flex item (overrides the flex container's align-items property)
<u>flex</u>	A shorthand property for the flex-grow, flex-shrink, and the flex-basis properties
<u>flex-basis</u>	Specifies the initial length of a flex item
<u>flex-grow</u>	Specifies how much a flex item will grow relative to the rest of the flex items inside the same container
<u>flex-shrink</u>	Specifies how much a flex item will shrink relative to the rest of the flex items inside the same container
<u>order</u>	Specifies the order of the flex items inside the same container

Responsive Flexbox



For example, if you want to create a two-column layout for most screen sizes, and a one-column layout for small screen sizes (such as phones and tablets), you can change the flex-direction from row to column at a specific breakpoint (800px in the example below).

```
.flex-container {
  display: flex;
  flex-direction: row;
}

/* Responsive layout - makes a one column layout instead of a two-column layout */
@media (max-width: 800px) {
  .flex-container {
    flex-direction: column;
  }
}
```

CSS Grid Layout Module



The CSS Grid Layout Module offers a grid-based layout system, with rows and columns, making it easier to design web pages without having to use floats and positioning.

All CSS Grid Properties

Property	Description
<code>column-gap</code>	Specifies the gap between the columns
<code>gap</code>	A shorthand property for the <code>row-gap</code> and the <code>column-gap</code> properties
<code>grid</code>	A shorthand property for the <code>grid-template-rows</code> , <code>grid-template-columns</code> , <code>grid-template-areas</code> , <code>grid-auto-rows</code> , <code>grid-auto-columns</code> , and the <code>grid-auto-flow</code> properties
<code>grid-area</code>	Either specifies a name for the grid item, or this property is a shorthand property for the <code>grid-row-start</code> , <code>grid-column-start</code> , <code>grid-row-end</code> , and <code>grid-column-end</code> properties
<code>grid-auto-columns</code>	Specifies a default column size
<code>grid-auto-flow</code>	Specifies how auto-placed items are inserted in the grid
<code>grid-auto-rows</code>	Specifies a default row size
<code>grid-column</code>	A shorthand property for the <code>grid-column-start</code> and the <code>grid-column-end</code> properties

<u>grid-column-gap</u>	Specifies the size of the gap between columns
<u>grid-column-start</u>	Specifies where to start the grid item
<u>grid-gap</u>	A shorthand property for the <i>grid-row-gap</i> and <i>grid-column-gap</i> properties
<u>grid-row</u>	A shorthand property for the <i>grid-row-start</i> and the <i>grid-row-end</i> properties
<u>grid-row-end</u>	Specifies where to end the grid item
<u>grid-row-gap</u>	Specifies the size of the gap between rows
<u>grid-row-start</u>	Specifies where to start the grid item
<u>grid-template</u>	A shorthand property for the <i>grid-template-rows</i> , <i>grid-template-columns</i> and <i>grid-areas</i> properties
<u>grid-template-areas</u>	Specifies how to display columns and rows, using named grid items
<u>grid-template-columns</u>	Specifies the size of the columns, and how many columns in a grid layout
<u>grid-template-rows</u>	Specifies the size of the rows in a grid layout
<u>row-gap</u>	Specifies the gap between the grid rows

Grid Container

To make an HTML element behave as a grid container, you have to set the display property to grid or inline-grid.

Grid containers consist of grid items, placed inside columns and rows.

A grid container contains grid items.

By default, a container has one grid item for each column, in each row, but you can style the grid items so that they will span multiple columns and/or rows.

Activity:

Design a website pages using CSS properties like Colors and Background-color,Lengths and percentages,Margin and padding,Borders,Navigation bars, flexbox layout, flexbox container and item properties, responsive flexbox ,CSS Grid ,Grid Container ,A grid container contains grid items.

Results: Display the designed web pages along with the code

The webpage (Cyber Awareness Platform) currently has three html pages,

1) Registration Page – Inline CSS

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
```

```

<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Login and Registration</title>
</head>
<body style="font-family: Arial, sans-serif; margin: 0; padding: 0; display: flex; height: 100vh;">
  <header style="text-align: center;">
    <h1 style="color: #00036f; font-size: 24px;"><br><br> Welcome to Cyber Awareness Portal
  <br><br></h1>
  
</header>
<div class="container" style="display: flex; width: 100%;">

  <div class="left" style="flex: 1; padding: 20px; background-color: #E6E6FA; display: flex; flex-direction: column; justify-content: center;">
    <h2 style="text-align: center; margin-bottom: 15px; font-size: 15px;">Register (New User)</h2>
    <form action="Updated.html" method="get" style="max-width: 400px; margin: 0 auto;">
      <label for="name" style="display: block; margin-bottom: 6px; font-size: 12px;">Full Name:</label>
      <input type="text" id="name" name="name" placeholder="Enter your full name" required
style="width: 90%; padding: 9px; margin-bottom: 12px; border-radius: 5px; border: 1px solid #ccc; font-size: 12px;">

      <label for="email" style="display: block; margin-bottom: 6px; font-size: 12px;">Email:</label>
      <input type="email" id="email" name="email" placeholder="Enter your email" required
style="width: 90%; padding: 9px; margin-bottom: 12px; border-radius: 5px; border: 1px solid #ccc; font-size: 12px;">

      <label for="phone" style="display: block; margin-bottom: 6px; font-size: 12px;">Phone
Number:</label>
      <input type="tel" id="phone" name="phone" placeholder="Enter your phone number" required
style="width: 90%; padding: 9px; margin-bottom: 12px; border-radius: 5px; border: 1px solid #ccc; font-size: 12px;">

      <label for="username" style="display: block; margin-bottom: 6px; font-size: 12px;">Username:</label>
      <input type="text" id="username" name="username" placeholder="Choose a username" required
style="width: 90%; padding: 9px; margin-bottom: 12px; border-radius: 5px; border: 1px solid #ccc; font-size: 12px;">

      <label for="password" style="display: block; margin-bottom: 6px; font-size: 12px;">Password:</label>
      <input type="password" id="password" name="password" placeholder="Create a password"
required style="width: 90%; padding: 9px; margin-bottom: 12px; border-radius: 5px; border: 1px solid #ccc; font-size: 12px;">

      <label for="confirm-password" style="display: block; margin-bottom: 6px; font-size: 12px;">Confirm Password:</label>
      <input type="password" id="confirm-password" name="confirm-password" placeholder="Confirm
your password" required style="width: 90%; padding: 9px; margin-bottom: 12px; border-radius: 5px;
border: 1px solid #ccc; font-size: 12px;">

      <label for="gender" style="display: block; margin-bottom: 6px; font-size: 12px;">Gender:</label>
      <input type="radio" id="male" name="gender" value="male" required style="width: auto;">
      <label for="male" style="display: inline;">Male</label>
      <input type="radio" id="female" name="gender" value="female" style="width: auto;">
      <label for="female" style="display: inline;">Female</label>

      <label for="dob" style="display: block; margin-bottom: 6px; font-size: 12px;">Date of
Birth:</label>
      <input type="date" id="dob" name="dob" required style="width: 90%; padding: 9px; margin-
bottom: 12px; border-radius: 5px; border: 1px solid #ccc; font-size: 12px;">

      <label for="country" style="display: block; margin-bottom: 6px; font-size: 12px;">Country:</label>
      <select id="country" name="country" required style="width: 90%; padding: 9px; margin-bottom:
12px; border-radius: 5px; border: 1px solid #ccc; font-size: 12px;">
        <option value="">Select your country</option>
        <option value="India">India</option>
        <option value="USA">USA</option>
        <option value="UK">UK</option>
        <option value="Canada">Canada</option>
      </select>

      <label for="agree" style="display: block; margin-bottom: 6px; font-size: 12px;">Terms and
Conditions:</label>
      <input type="checkbox" id="agree" name="agree" required style="width: auto;">
      <label for="agree" style="display: inline;">I agree to the terms and conditions</label>

      <button type="submit" style="width: 90%; padding: 9px; margin-bottom: 12px; border-radius: 5px;
border: none; background-color: #8E24AA; color: white; cursor: pointer;">Register</button>
    </form>
  </div>

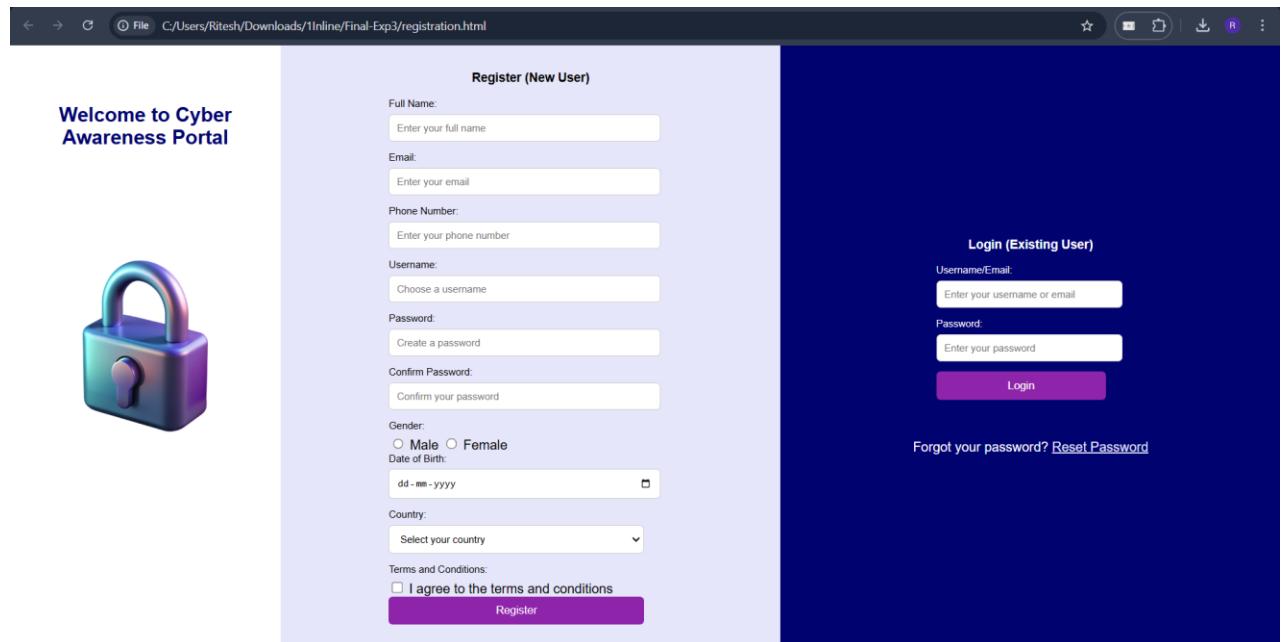
<div class="right" style="flex: 1; padding: 20px; background-color: #00036f; color: white; display:

```

```

flex; flex-direction: column; justify-content: center;">
<h2 style="text-align: center; margin-bottom: 15px; font-size: 15px;">Login (Existing User)</h2>
<form action="Updated.html" method="get" style="max-width: 400px; margin: 0 auto;">
  <label for="userId" style="display: block; margin-bottom: 6px; font-size:
12px;">Username/Email:</label>
    <input type="text" id="userId" name="userId" placeholder="Enter your username or email" required
style="width: 90%; padding: 9px; margin-bottom: 12px; border-radius: 5px; border: 1px solid #ccc; font-
size: 12px;">
  <label for="password" style="display: block; margin-bottom: 6px; font-size:
12px;">Password:</label>
    <input type="password" id="password" name="password" placeholder="Enter your password"
required style="width: 90%; padding: 9px; margin-bottom: 12px; border-radius: 5px; border: 1px solid
#ccc; font-size: 12px;">
  <button type="submit" style="width: 90%; padding: 9px; margin-bottom: 12px; border-radius: 5px;
border: none; background-color: #8E24AA; color: white; cursor: pointer;">Login</button>
</form>
<footer style="text-align: center; margin-top: 20px;">
  <p>Forgot your password? <a href="#" style="color: #E6E6FA;">Reset Password</a></p>
</footer>
</div>
</div>
</body>
</html>

```



2) Landing Page – Internal CSS

```

<!DOCTYPE html>
<html>
<head>
  <title>Cyber Awareness Platform</title>
  <style>
    body {
      margin: 0;
      padding: 0;
      overflow-x: hidden;
    }
    nav {
      background-color: #000084;
      color: #FFFFFF;
      padding: 20px 0;
      position: fixed;
      top: 0;
      width: 100%;
      z-index: 1000;
      margin: 0;
      left: 0;
      display: flex;
      justify-content: space-between;
    }
  </style>

```

```

        align-items: center;
    }
    nav div {
        padding: 0 20px;
    }
    nav img {
        height: 65px;
        width: auto;
    }
    nav a {
        background-color: #9194b4;
        color: white;
        padding: 10px 20px;
        margin: 0 10px;
        text-decoration: none;
        border-radius: 15px;
    }
    nav a:hover {
        background-color: #8E24AA;
    }
    #hero {
        background-image: url('hackbg.jpg');
        background-size: cover;
        background-position: center;
        width: 100vw;
        min-height: 85vh;
        display: flex;
        flex-direction: column;
        align-items: center;
        justify-content: center;
        text-align: center;
        padding: 60px;
        overflow-x: hidden;
    }
    #hero h1 {
        color: #ffffff;
        font-size: 40px;
        padding: 30px 0;
        margin-right: 55px;
    }
    .hero-content {
        display: flex;
        align-items: center;
        justify-content: center;
        max-width: 70%;
        background-color: rgba(255, 255, 255, 0.8);
        padding: 20px;
        margin-right: 95px;
        border-radius: 20px;
    }
    .hero-content div {
        flex: 1;
        text-align: center;
    }
    .hero-content h2 {
        color: #8E24AA;
    }
    .hero-content p {
        color: #000000;
        font-size: 16px;
    }
    #resources h2, h3, h4 {
        color: #8E24AA;
    }
    table {
        border: 1px solid black;
        cellpadding: 25;
        cellspacing: 9;
    }
    th {
        color: #000000;
        background-color: #E6E6FA;
    }
    td {
        color: #000000;
        text-align: center;
    }
    footer {
        color: #FFFFFF;
        background-color: #000000;
        padding: 17px 0;
        text-align: center;
    }

```

```

        }
    </style>
</head>
<body>
<nav>
    <div>
        
    </div>
    <div>
        <a href="#home">Home</a>
        <a href="#resources">Resources</a>
        <a href="#contact">Contact Us</a>
        <a href="complaint.html">Complaint Registration</a>
        <a href="registration.html">Sign Out</a>
    </div>
</nav>

<section id="hero">
    <header>
        <h1>🌟 Welcome to Cyber Awareness Portal 🌟 </h1>
    </header>
    <div class="hero-content">
        <div>
            
        </div>
        <div>
            <h2>About The Portal</h2>
            <p>
                Cyber Awareness is essential in today's digital era. Cyber threats are constantly evolving, and protecting yourself online is crucial.
            </p>
            This portal provides essential cybersecurity knowledge, tips, and best practices to safeguard your personal data and digital identity.
            Stay updated with the latest security trends, learn to recognize cyber threats, and enhance your online safety through our curated resources.
            </p>
        </div>
    </div>
</section>

<section id="resources">
    <center>
        <h2>Resources</h2>
        <table>
            <thead>
                <tr>
                    <th>Resource</th>
                    <th>Type</th>
                    <th>Link</th>
                </tr>
            </thead>
            <tbody>
                <tr>
                    <td>Cybersecurity 101</td>
                    <td>Article</td>
                    <td><a href="#">Read</a></td>
                </tr>
                <tr>
                    <td>Online Safety Tips</td>
                    <td>Video</td>
                    <td><a href="#quicktips">Watch</a></td>
                </tr>
            </tbody>
        </table>
        <h3>Watch: Introduction to Digital Security</h3>
        <video width="500" controls>
            <source src="cybervideo.mp4" type="video/mp4">
            Your browser does not support the video tag.
        </video>
        <h3>Listen: Cyber Awareness Podcast</h3>
        <audio src="sample.mp3" controls></audio>
        <h4>Quick Tips:</h4>
        <ul>
            <li>Use strong passwords and enable two-factor authentication.</li>
            <li>Be cautious of phishing emails and suspicious links.</li>
        </ul>
    </center>
</section>

<footer>
    <p>© 2025 Cyber Awareness<br/>All rights reserved</p>
</footer>
</body>
</html>

```

 C:/Users/Ritesh/Downloads/1Inline/Final-Exp3/Updated.html?userId=sdvsd&password=asdfaca

[Home](#) [Resources](#) [Contact Us](#) [Complaint Registration](#) [Sign Out](#)

Welcome to Cyber Awareness Portal



About The Portal

Cyber Awareness is essential in today's digital era. Cyber threats are constantly evolving, and protecting yourself online is crucial. This portal provides essential cybersecurity knowledge, tips, and best practices to safeguard your personal data and digital identity. Stay updated with the latest security trends, learn to recognize cyber threats, and enhance your online safety through our curated resources.

 C:/Users/Ritesh/Downloads/1Inline/Final-Exp3/Updated.html?userId=sdvsd&password=asdfaca

[Home](#) [Resources](#) [Contact Us](#) [Complaint Registration](#) [Sign Out](#)

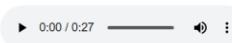
Resources

Resource	Type	Link
Cybersecurity 101	Article	Read
Online Safety Tips	Video	Watch

Watch: Introduction to Digital Security



Listen: Cyber Awareness Podcast



 C:/Users/Ritesh/Downloads/1Inline/Final-Exp3/Updated.html?userId=sdvsd&password=asdfaca

[Home](#) [Resources](#) [Contact Us](#) [Complaint Registration](#) [Sign Out](#)



Listen: Cyber Awareness Podcast



Quick Tips:

Use strong passwords and enable two-factor authentication.
Be cautious of phishing emails and suspicious links.

3) Complaint Registration Page – External CSS

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Cyber Complaint Registration</title>
    <link rel="stylesheet" href="complaintstyles.css">
</head>
<body>
    <nav>
        <div>
            
        </div>
        <div>
            <a href="updated.html">Home</a>
            <a href="updated.html">Resources</a>
            <a href="updated.html">Contact Us</a>
            <a href="complaint.html">Register Complaint</a>
            <a href="updated.html">Sign Out</a>
        </div>
    </nav>

    <header>
        <h1>Cyber Crime Complaint Registration</h1>
    </header>

    <section class="registration-form">
        <h2>File a Complaint</h2>
        <form action="submit_complaint.php" method="post">
            <label for="name">Full 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="phone">Phone Number:</label>
            <input type="text" id="phone" name="phone" required>

            <label for="incident_date">Incident Date:</label>
            <input type="date" id="incident_date" name="incident_date" required>

            <label for="incident_type">Type of Cyber Crime:</label>
            <select id="incident_type" name="incident_type" required>
                <option value="">Select Type</option>
                <option value="phishing">Phishing</option>
                <option value="identity_theft">Identity Theft</option>
                <option value="hacking">Hacking</option>
                <option value="financial_fraud">Financial Fraud</option>
                <option value="cyber_bullying">Cyber Bullying</option>
            </select>

            <label for="details">Incident Details:</label>
            <textarea id="details" name="details" rows="5" required></textarea>

            <button type="submit">Submit Complaint</button>
        </form>
    </section>
</body>
</html>

```

Style Sheet

```

nav {
    background-color: #000864;
    color: #FFFFFF;
    padding: 20px 0;
    position: fixed;
    top: 0;
    width: 100%;
    z-index: 1000;
    margin: 0;
    left: 0;
    display: flex;
    justify-content: space-between;
    align-items: center;
}

```

```
nav div {  
    padding: 0 20px;  
}
```

```
nav img {  
    height: 65px;  
    width: auto;  
}
```

```
nav a {  
    background-color: #9194b4;  
    color: white;  
    padding: 10px 20px;  
    margin: 0 10px;  
    text-decoration: none;  
    border-radius: 15px;  
}
```

```
nav a:hover {  
    background-color: #8E24AA;  
}
```

```
body {  
    font-family: Arial, sans-serif;  
    background-color: #E6E6FA;  
    margin: 0;  
    padding: 0;  
}
```

```
.registration-form {  
    background-color: rgba(255, 255, 255, 0.8);  
    padding: 30px;  
    width: 50%;  
    margin: 100px auto;  
    border-radius: 10px;  
    box-shadow: 0 0 10px #ccc;  
}
```

```
.registration-form h2 {  
    color: #00036f;  
    text-align: center;  
}
```

```
.registration-form label {  
    display: block;  
    margin-top: 10px;  
    font-weight: bold;  
}
```

```
.registration-form input,  
.registration-form select,  
.registration-form textarea {  
    width: 100%;  
    padding: 8px;  
    margin-top: 5px;  
    border: 1px solid #ccc;  
    border-radius: 5px;  
}
```

```
.registration-form button {  
    background-color: #8E24AA;  
    color: white;  
    padding: 10px 20px;  
    border: none;  
    border-radius: 5px;  
    cursor: pointer;  
    display: block;  
    width: 100%;  
    margin-top: 15px;  
}
```

```
.registration-form button:hover {  
    background-color: #00036f;  
}
```

The screenshot shows a web page titled "File a Complaint". The page has a dark blue header with a lock icon and navigation links for Home, Resources, Contact Us, Register Complaint, and Sign Out. The main content area is a white box with the title "File a Complaint" at the top. It contains several input fields: "Full Name" (text input), "Email" (text input), "Phone Number" (text input), "Incident Date" (date input with placeholder "dd - mm - yyyy"), "Type of Cyber Crime" (dropdown menu with placeholder "Select Type"), and "Incident Details" (text area). At the bottom is a purple "Submit Complaint" button.

Outcomes : CO2: Create Web pages using HTML 5 and CSS

Questions:

1. How many axis does a flex-box layout contain?

A flex-box layout contains two axes: the main axis and the cross axis. The main axis is defined by the direction in which the flex items are placed, either horizontally or vertically, while the cross axis is perpendicular to the main axis.

2. What is the difference between auto-fill and auto-fit properties when defining a grid-template?

The difference between auto-fill and auto-fit properties in a grid-template lies in how they handle empty space. Auto-fill fills the row with as many columns as it can fit, even if some of them are empty. On the other hand, auto-fit also fills the row but adjusts the size of the columns to use the available space effectively, which may leave no empty space in the row.

3. What is the meaning of the fr unit in the grid layout?

The "fr" unit in grid layout stands for "fraction of the available space." It is used to divide the space in a grid container, allowing you to allocate a fraction of the available space to each grid item. For example, 1fr means one part of the available space, and 2fr would take up double the space compared to 1fr.

Conclusion: (Conclusion to be based on the outcomes achieved)

From this experiment I learned the effective application of basic CSS techniques, such as flexible content layout, color schemes, padding, margin, and responsive designs using CSS3. The creation of a registration page with inline CSS showcased practical uses of styling elements, while also introducing CSS Flexbox for layout management, ensuring the design adapts to various screen sizes. By utilizing CSS Grid Layouts and responsive flexbox, we ensured the webpage's compatibility across different devices, thereby enhancing user experience. This experiment highlighted the power of CSS in building visually appealing, user-friendly, and responsive web pages, contributing significantly to the design process of the Cyber Awareness Portal.

Grade: AA / AB / BB / BC / CC / CD /DD

Signature of faculty in-charge with date

References:

Books/ Journals/ Websites:

- "HTML5: Black Book", Dreamtech Publication.
- "Web Technologies: Black Book", Dreamtech Publication.
- <http://www.w3schools.com>