ICP-2

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GitHub Repo link : https://github.com/Yaswanthypfm7/WebDevCourse/tree/main/WebPart/ICP2

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GitHub Repo Link:
https://github.com/TejdeepP/WebProgrammingSpring2022/tree/main/WebPart/ICP2

Introduction

HTML (Hypertext Markup Language) and CSS (Cascading Sheets) are the popular technologies for building websites. HTML provides page structure, CSS layout (visual and auditory), for a wide range of devices. Along with graphics and scripts, HTML and CSS are the foundation for creating websites and web applications.

HTML can Publish online documents with titles, text, tables, lists, photos, etc. Access online information via hypertext links with the click of a button. Design forms for transactions with remote services and embed spreadsheets, video clips, audio clips, and other attachments directly into documents for use in information retrieval, reservations, grocery ordering, and more. In HTML, authors use markup to describe the structure of a page. Language elements represent content such as "paragraphs", "lists", "tables", and so on.

CSS helps us to make a webpage more attractive and user friendly with its cascading styles. It allows one to adapt the presentation to differing kinds of devices, like large screens, small screens, or printers. CSS is independent of HTML and may be used with any XML-based language. The separation of HTML from CSS makes it easier to keep up sites, share style sheets across pages, and tailor pages to different environments. this is often stated because the separation of structure from presentation.

Tasks

In this ICP we have built a web page that includes Headers, Paragraphs, ordered and unordered list with div and span elements.

1. **Un-Ordered list->** We have created a div class named "Whole" for entire webpage styling. We have kept the Navigation bar on the top that has been linked to the html pages. An un-ordered list was created with ", "Contact", "Git details"," About"," Home". Every item in the list has a navigation i.e., "href" which will redirect to the other pages.

Code:

```html
<body>
    <!--Creating a Div for the whole page under the body-->
    <div class="whole">
        <!--Creating an unorderd list for Navbar using anchor links-->
    <ul class="navbar">
        <li><a href="Index.html">Home</a></li>
        <li><a href="Contact.html">Contact</a></li>
        <li><a href="Gitdetails.html">GIT Details</a></li>
        <li><a href="About.html">About</a></li>
    </ul>
```
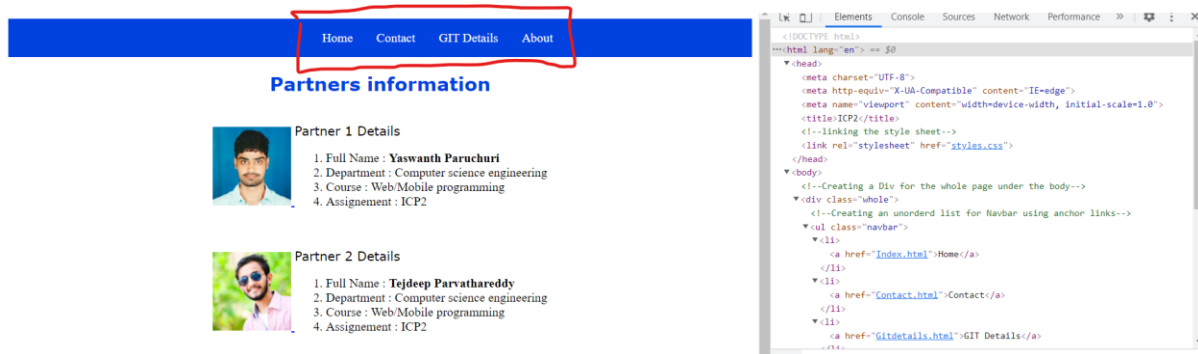
Style:

```css
.whole{
    text-align: center;
}

h2{
    font-family: Verdana, Geneva, Tahoma, sans-serif;
    color:#0141E0;
}
.navbar{
    list-style-type: none;
    overflow: hidden;
    background-color: #0141E0;

}

.navbar a:hover {
    background-color: #54ACFF;
}

.navbar li{
    float: left;
    position: relative;
    left:38%;
}

.navbar a {
    display: block;
    color: white;
    text-align: center;
    padding: 15px 15px;
    text-decoration: none;

}
```

- We have given text-align as center for the ".whole" div class to make the content to move center.
- H2 is the heading and we gave Verdana as font for all the H2 and color is given as hex code "#0141E0"
- Navbar is the class for the top navigation bar given and the background color is given #0141E0
- List style is given as null to remove the bullet points in styling
- .navbar a:hover is written to change the color on hovering over the list item
- .navbar li is given as float:left to make the list items arrange side by side and the position is given relative and left is given 38% to make the list align at the center by leaving th 38% of page size to the left

- Color is given as White and the display is given as block element as the list is considered as a single block.
- .navbar a is given for styling the anchor links in the list and the text is aligned to the center and the padding is given 15px on all the sides(Top,bottom,left,right) and the text-decoration is given as none to display the text normally for the anchor links in this .navbar class.

Output:

2.**Headers->**We have taken Partners information in a Header as shown below with **<h2> </h2>** tag

H tags are used for headers.

3.**Image click should redirect to a new tab** -> For this we have used an image tag with a tag href link, href is used to redirect to a google image link that has been provided .

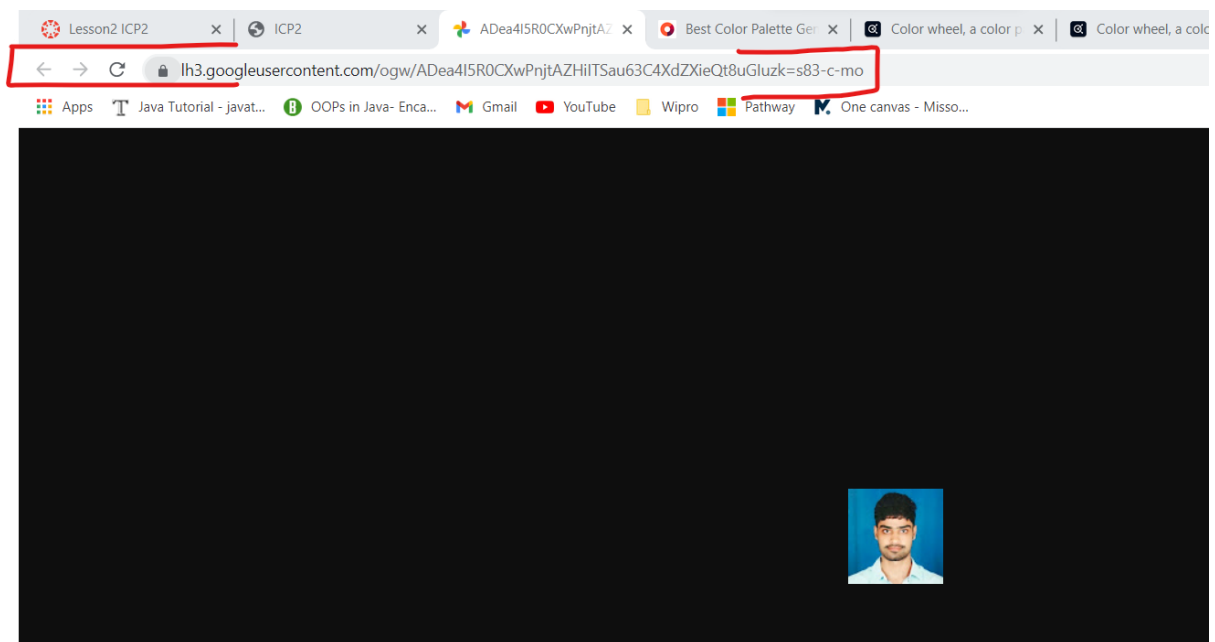For opening in a new tab, we have kept target='blank'

```
<!--Creating a Div for the partner 1 information-->
    <div class="section1">
        <h2>Partners information</h2>
        <a href="https://lh3.googleusercontent.com/ogw/ADea4I5R0CXwPnjtAZHiITSau63C4XdZXieQt8uGIuzk=s83-c-mo"
            target="_blank">
            <img src="https://lh3.googleusercontent.com/ogw/ADea4I5R0CXwPnjtAZHiITSau63C4XdZXieQt8uGIuzk=s83-c-mo"
                alt="Yaswanth_photo" style="width:100px;height:100px;">
        </a>
        <!--Creating a Div for list of partner 1 Details-->
        <div class="text-container">
            <p class="pdetails">Partner 1 Details</p>
            <ol>
                <li>Full Name : <span id="names">Yaswanth Paruchuri</span> </li>
                <li>Department : Computer science engineering</li>
                <li>Course : Web/Mobile programming</li>
                <li>Assignement : ICP2</li>
            </ol>
        </div>
    </div>
    <!--break line-->
    <br />
    <!--Creating a Div for the partner 2 information-->
    <div class="section2">
        <a href="https://lh3.googleusercontent.com/ogw/ADea4I4Fb0OqpUydQivqabJoUD34H4UbvjxnMecG5IRtsg=s83-c-mo"
            target="_blank">
            <img src="tej.jpg" alt="Tejdeep_photo" style="width:100px;height:100px;">
        </a>
        <!--Creating a Div for list of partner 2 Details-->
        <div class="text-container">
            <p class="pdetails">Partner 2 Details</p>
            <ol>
                <li>Full Name : <span id="names">Tejdeep Parvathareddy</span></li>
                <li>Department : Computer science engineering</li>
                <li>Course : Web/Mobile programming</li>
                <li>Assignement : ICP2</li>
```

Output: Redirected to an image. It is a google image.

4.**Ordered list**-> We have taken partner information in an ordered list as shown below using <li> tag and kept in ordered list <ol> with information such as Full Name , Department ,Course & Assignment of the partners.

```
    <!--Creating a Div for list of partner 1 Details-->
    <div class="text-container">
        <p class="pdetails">Partner 1 Details</p>
        <ol>
            <li>Full Name : <span id="names">Yaswanth Paruchuri</span> </li>
            <li>Department : Computer science engineering</li>
            <li>Course : Web/Mobile programming</li>
            <li>Assignement : ICP2</li>
        </ol>
    </div>
/div>
--break line-->
```

CSS:

```
#names {
    font-weight: bold;
}

  .pdetails {
font-family: Verdana, Geneva, Tahoma, sans-serif;

  }
  .text-container {
    display: inline-block;
    text-align: left;
  }
```

text-container class is given as dispay: inline block so that it isused for displaying the both div's in same line as inline blocks

text-alignment is given as left side instead of giving the center for the whole div

5.Div ,Span ,blocks & Inline Elements

Div tag <div> in html is used for splitting a html webpage.

Span-> Span tag is used for styling or cascading a particular portion of a webpage.

We have spilted the entire webpage into 4 div elements

1.Partner 1 details

2.Partner 2 details

3.Tools and Technologies used

4.Video Information about UMKC CS department.

Code:

```
14                                       under the body
15       <div class="whole">
16           <!--Creating an unorderd list for Navbar using anchor links-->
17       <ul class="navbar">
18           <li><a href="Index.html">Home</a></li>
19           <li><a href="Contact.html">Contact</a></li>
20           <li><a href="Gitdetails.html">GIT Details</a></li>
21           <li><a href="About.html">About</a></li>
22       </ul>
23
24
25       <!--Creating a Div for the partner 1 information-->
26       <div class="section1">
43       </div>
44       <!--break line-->
45       <br />
46       <!--Creating a Div for the partner 2 information-->
47       <div class="section2">
62       </div>
63       <!--Creating a Div for Tools and technologies Details-->
64       <div>...
72       </div>
73       <!--Creating a Div for Video Section-->
74       <div>...
86       </div>
87
88       </div>
89       </body>
90
91   </html>
```

Output:

Span Elements:

We have used styling for "**HTML**" , "**CSS**" , "**GIT**" and "**VSCode**" using span as we can highlight or style specific elements using span .A div was taken for this and a header tag <h2> labelled with Tools and Technologies used. A <P> tag was taken and used span for the 4 elements as shown below.

Output :

Tools and Technologies Used

We are using HTML and CSS in this assignement to display the requested tasks in the web page
1   2

We are using GIT as source control
3

We are using VS code as IDE
4

Code:

```html
<!--Creating a Div for Tools and technologies Details-->
<div>
    <h2>Tools and Technologies Used</h2>

    <p>We are using <span class="html_style">HTML</span> and <span class="CSS_style">CSS</span> in this assignement to display the
        requested tasks in the web page </p>

    <p> We are using <span class="git_style">GIT</span> as source control</p>
    <p> We are using <span class="IDE_style">VS code</span> as IDE</p>
</div>
```

CSS:

```css
span.html_style {
  display: inline-block;
  border: 1px solid ☐black;
  background-color:■red;
}
span.CSS_style {
  display: inline-block;
  border: 1px solid ☐black;
  background-color: ■yellow;
}
span.git_style {
  display: inline-block;
  border: 1px solid ■blue;
  background-color: ■green;
}

span.IDE_style {
  display: inline-block;
  border: 1px solid ☐black;
  background-color: ■violet;
}
```

All the 4 span classes (.html_style, .CSS_style, .git_style, .IDE_style)stylings are given as the display as inline -block to display in the same line and border is given to highlight the given solid background-color

6. Any relevant video/YouTube video. The video should have controls like play, pause, etc

Code: Here we have taken a div and labelled header with <h>tag named: Video information about UMKC CS department. The video width is managed to 450. We have downloaded a video which is of type mp4 and kept as the source.

A <p> tag was kept with <a> tag with href as source (YouTube) and will be opened when clicked on the link in a new tab.

```html
<!--Creating a Div for Video Section-->
    <div>
        <!--heading for video section-->
        <h2>Video information about UMKC CS department</h2>

        <video width="450" controls>
            <source src="UMKC_CS.mp4" type="video/mp4">
        </video>
<!--video link source-->
        <p>
            <a href="https://www.youtube.com/watch?v=F58SCmtxHGI" target="_blank">Click here</a> for video source.
        </p>

    </div>

</div>
</body>

</html>
```
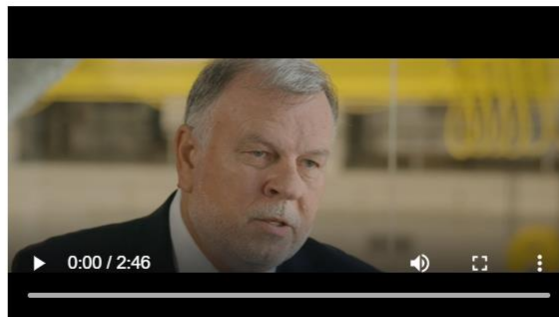
Output:

Video information about UMKC CS department

Click here for video source.

Other Pages:

We have other 3 Pages on the Navigation bar on the top.

Contact Page:

Code: We have used a <div > class with an un ordered list <ul> having contact list details with partner information such as Full name, Mobile, Email & LinkedIn.

```
12+
13+ <body>
14+     <!--Creating a Div for the whole page under the body-->
15+     <div class="whole">
16+         <!--Creating an unorderd list for Navbar using anchor links-->
17+         <ul class="navbar">
18+             <li><a href="Index.html">Home</a></li>
19+             <li><a href="Contact.html">Contact</a></li>
20+             <li><a href="Gitdetails.html">GIT Details</a></li>
21+             <li><a href="About.html">About</a></li>
22+         </ul>
23+
24+
25+         <!--Creating a new div for all the Details with heading-->
26+         <div>
27+             <h2>Contact Details</h2>
28+             <!--New div for Partner 1 Details -->
29+             <div class="Contact_text">
30+                 <p>Partner 1 Details</p>
31+                 <ol>
32+                     <li>Full Name : Yaswanth Paruchuri</li>
33+                     <li>Mobile : 8167683061</li>
34+                     <li>Email: ypfm7@umsystem.edu</li>
35+                     <li>LinkedIN : <a href="https://tinyurl.com/yashslinkedin" target="_blank">YaswanthParuchuri
36+                     </li>
37+                 </ol>
38+             </div>
39+             <!--New div for Partner 2 Details -->
40+             <div class="Contact_text">
41+                 <p>Partner 2 Details</p>
42+                 <ol>
43+                     <li>Full Name : Tejdeep Parvathareddy </li>
44+                     <li>Mobile : 8167683084</li>
45+                     <li>Email: tpgkd@umsystem.edu</li>
46+                     <li>LinkedIN : <a class="anchor" href="https://tinyurl.com/tejdeeps"
47+                         target="_blank">TejdeepParvathareddy </a> </li>
48+                 </ol>
```


Contact Details

Partner 1 Details

1. Full Name : Yaswanth Paruchuri
2. Mobile : 8167683061
3. Email: ypfm7@umsystem.edu
4. LinkedIN : YaswanthParuchuri

Partner 2 Details

1. Full Name : Tejdeep Parvathareddy
2. Mobile : 8167683084
3. Email: tpgkd@umsystem.edu
4. LinkedIN : TejdeepParvathareddy

GIT Details:

We have created this page to display the GitHub details of the partners , tools and technologies used for this .We have used a <div> class having header <h2> named "GIT Information" and used a <p> tag with <a> href Git URL's and given target='blank' i.e to open in a new tab/window.

We have used styling for "**HTML**" , "**CSS**" , "**GIT**" and "**VSCode**" using span as we can highlight or style specific elements using span .A div was taken for this and a header tag <h2> labelled with Tools and Technologies used. A <P> tag was taken and used span for the 4 elements as shown below.

```html
    <title>ICP2</title>
    <!--linking the style sheet-->
    <link rel="stylesheet" href="styles.css">
</head>

<body>
    <!--Creating a Div for the whole page under the body-->
    <div class="whole">
        <!--Creating an unorderd list for Navbar using anchor links-->
    <ul class="navbar">
        <li><a href="Index.html">Home</a></li>
        <li><a href="Contact.html">Contact</a></li>
        <li><a href="Gitdetails.html">GIT Details</a></li>
        <li><a href="About.html">About</a></li>
    </ul>


<!--Creating a new div for all the data with heading-->
    <div>
        <!--heading for the Git links-->
        <h2>GIT information</h2>

<p>Partner-1 git url : <a href="https://github.com/Yaswanthypfm7/WebProgrammingSpring2022.git " target="_blank">Yaswanth_GIT </a></p>
<p>Partner-2 git url : <a href="https://github.com/TejdeepP/WebProgrammingSpring2022.git" target="_blank">Tejdeep_GIT </a></p>
<!--heading for the Tools and technologies-->
<h2>Tools and Technologies Used</h2>

        <p>We are using <span class="html_style">HTML</span> and <span class="CSS_style">CSS</span> in this assignement to display the
            requested tasks in the web page </p>

        <p> We are using <span class="git_style">GIT</span> as source control</p>
        <p> We are using <span class="IDE_style">VS code</span> as IDE</p>
    </div>

</div>
```
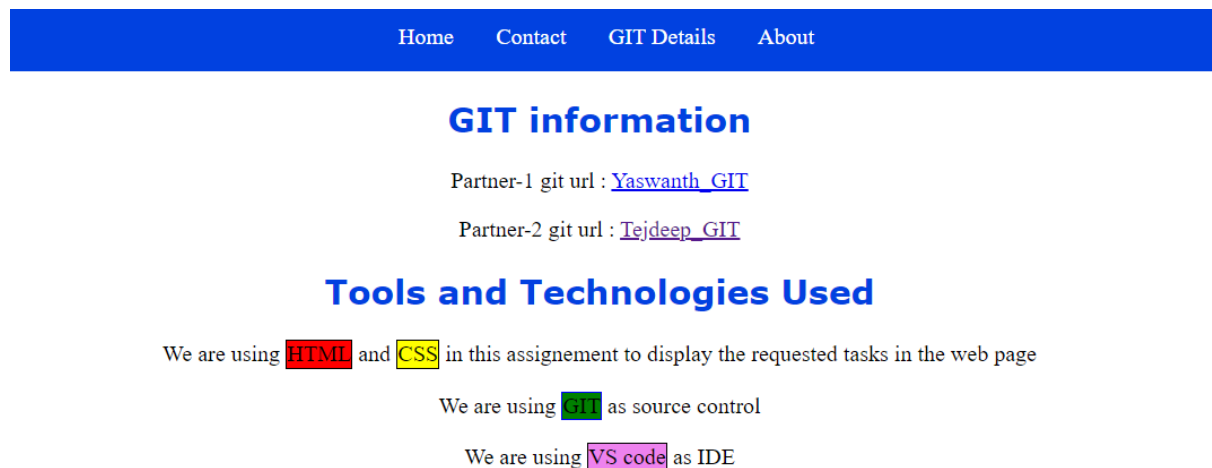
Output:

ABOUT Page:

In the about Webpage we have given the information on the ICP that contains the web programming info and the ICP-2 details info. We have used a <div> class having header <h2> named "About" on" and used a <p> tag with information of the ICP.

Code:

```
<!--Creating a new div for all the data with heading-->
<div>
    <!--heading for the content-->
    <h2>Information on the ICP</h2>
    <!--Creating a new div for all the paragraph and content-->
    <div class="about_container">
        <p>Web Programming   This course helps us to get knowledge on the Web and App developments. The course
            structure is divided into two phases. Phase-1 contains Web development that includes HTML ,CSS, Java
            script ,Angular etc. and the phase-2 includes Android/IOS app development.
        </p>
        <p> In the current ICP-2 we have learned developing a HTML page with blocks, inline elements, headers,
            span
            , navigation links etc..</p>
    </div>
</div>
</body>
```

Output:

Contribution:

We have equally contributed.