FSDM – 2022F CSD 1103: Front End Web Development Term Project – 1

Welcome to Mobile Gallery With Web Page Explanations

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≻ <u>Part</u> 1:

> Introduction:

- our site is a mobile store.
- we have different product pages for each of the devices along with the description of device & specifications.
- users can checkout various models of multiple brands like samsung, apple, Mi, etc and they have a direct link to buy from official store.
- we have contact us page so that customers can contact us

> Technologies

- Multi page site
 - Reason So that we can share the details of different mobile models & brands on different pages. Also making multipage site is more interactive for users. Users can navigate through various pages via navigation menu and links.
- ✓ We have used HTML 5.0 & CSS 3.0

Why HTML 5?

- In this project we used HTML to create the sturcture of the webpages. There are some particular reasons why we chose HTML 5 over previous versions.
 - 1. It has improved semantics i.e. some new types of tags were introduced in HTML 5 that help in better representation of data such as <header>, <footer> and <aside>. These are some of the tags which were introduced to make the code more semantic than before.

The new tags are very important as they make the page more structured. It is helpful while developing the webapp, while installing a plugin and it improves the readability of the code.

Another benefit of this would be in terms of SEO as the search engines would be able to understand the contents of the page.

- 2. Performance improvement. We all hate waiting when a page is loading and we have to sit idle in front of the screen. HTML 5 tries to tackle this issue by allowing some script tags to load independently from rest of the page. Like there is a preload attribute for videos which allows the video to load as soon as the page is clicked on allowing the user to instantly stream the video as soon as he opens it.
- 3. It also adds offline support. So, even when you've offline you can interact with the webpage. The technologies which help us to do this are:-

- AppCache
- Service Workers
- 4. Audio video support was added. In HTML 5 we can add media to the webpage using standard tags which was possible previously by plugins. These tags also give user the options to control the playback.
- 5. Storage of data locally or in a database. This gives the developer the flexibility to store data as per his needs or objectives.

Why CSS 3?

CSS 3 is the latest version of CSS (Cascading Style Sheets). With this new version we get improvements / features such as –

- 1. CSS 3 is economical and time saving. With this, it is also supported by most of the web browsers making it adaptable to multiple devices.
- 2. Implementation of graphics is easier in CSS 3, this helps in making the website more appealing to the user.
- 3. We can use efficient CSS modules to change many files at once.
- 4. It provides consistent and precise positioning of navigable elements.
- 5. Permits online videos to be seen without the need of any external plugin.

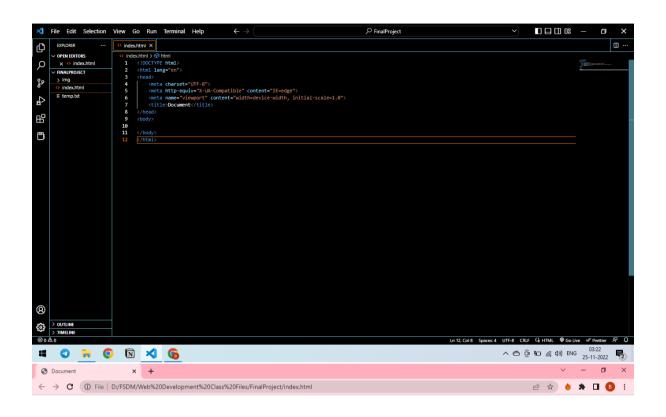
- > Design Featurs we have used:-
 - 1. Responsive design so that users can view our site on any device either mobile or desktop with proper alignment.

 The elements change shape and sizes according to the screen size.
 - 2. Made our website is mobile friendly
 - 3. Yes our site is SEO optimised we have used proper meta description & keywords in each of the pages so that it can easily be ranked on search engines & we can drive organic traffic

MOBILE GALLERY

≻ *Part 2:*

> Code and Output:





> Explanation:

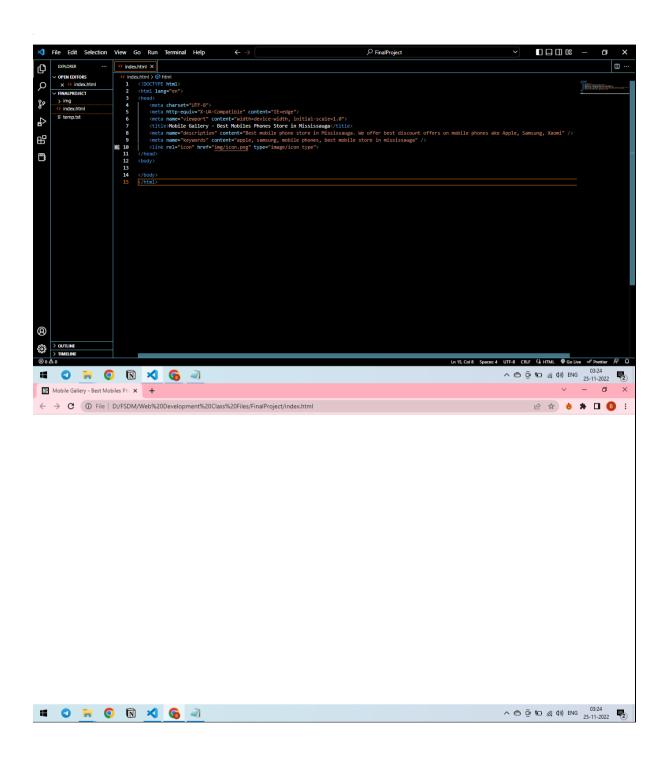
- This is our index page where we have created an html document.
- Name index is given to let the browser know that it is our default page.

<meta> - Here we used meta tag. These are essentially the areas in HTML code that contain information about a website. This information is seen on the webpage but search engines use these tags to rank and show our webpage in the search results.

We have used different tags inside the meta which help us communicate to user as well as the search engine about the information we have put in the webpage.

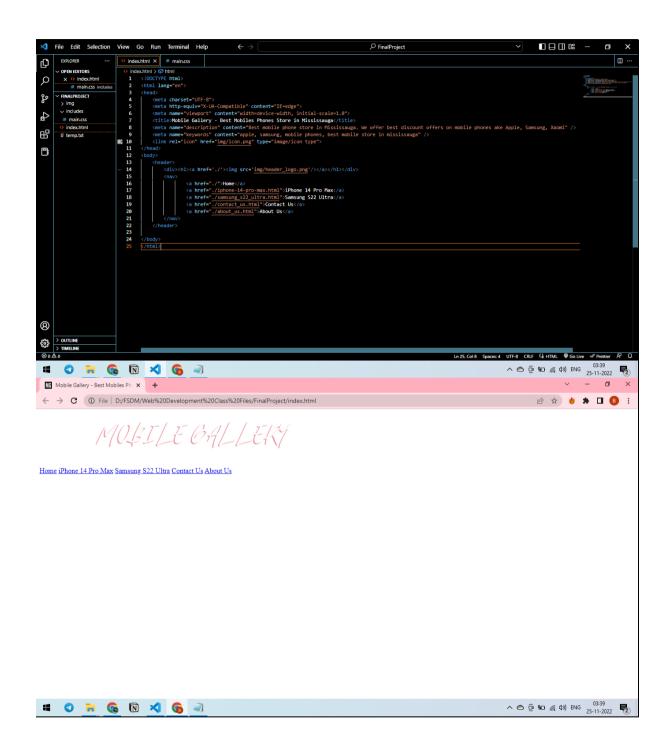
Output shows the html document created successfully.

> Code and Output:



- Here we have changed the title of the page to "Mobile Gallery Best Mobile Phones Store in Mississauga".
- We have also added the description to our page with keywords for mobile phones which will help us in SEO.
- Lastly, we have given our store icon in a link.

> Code and Output:



> <u>Explanation</u>:

- Here we have added a div under which we have created a navigation bar.
- In Nav bar we have listed the mobile phones as subpages and linked them using href internal links.
- As you can see, we have all the other internal pages listed horizontally.

<nav> - This HTML element represents a section of a page whose purpose is to provide navigation links. These links could be within the current document or may be linked to other files.

Common examples of navigation elements are –

- menu
- table of contents
- indexes

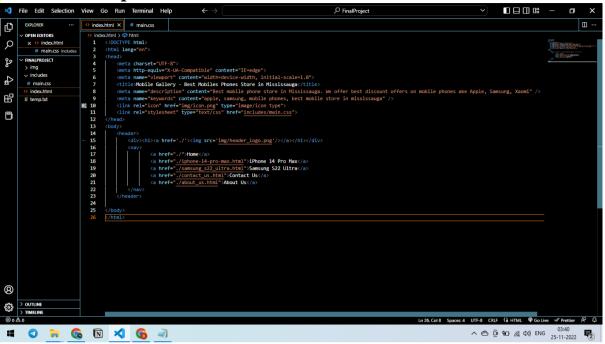
 $Example \ of \ nav-$

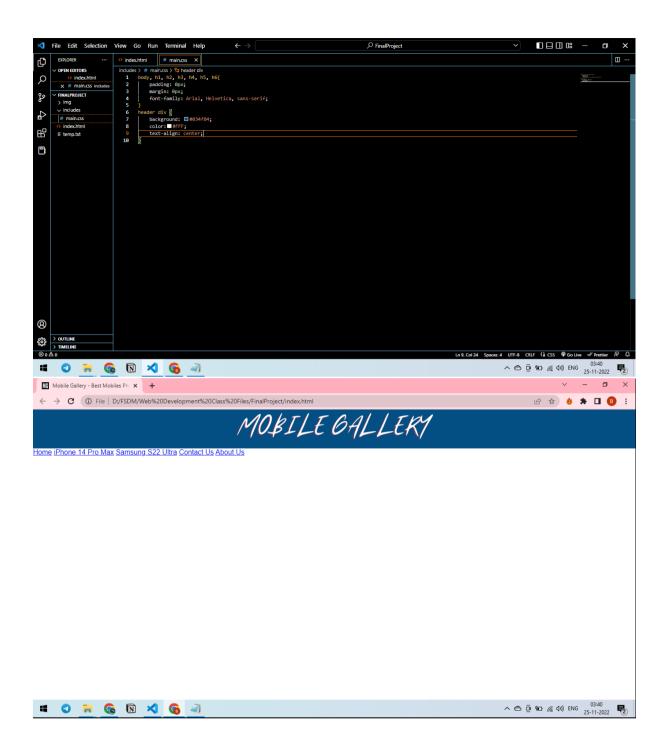
Example with sample data –

```
<nav>
 <h2>Navigation</h2>
   You are on my home page. To the north lies <a href="/blog">my blog</a>, from
   whence the sounds of battle can be heard. To the east you can see a large
   mountain, upon which many <a href="/school">school papers</a> are littered.
   Far up thus mountain you can spy a little figure who appears to be me,
   desperately scribbling a <a href="/school/thesis">thesis</a>.
 >
   To the west are several exits. One fun-looking exit is labeled
   <a href="https://games.example.com/">"games"</a>. Another more
   boring-looking exit is labeled <a href="https://isp.example.net/">ISP™</a>.
 >
   To the south lies a dark and dank <a href="/about">contacts page</a>.
   Cobwebs cover its disused entrance, and at one point you see a rat run
   quickly out of the page.
 </nav>
```

ŝ

Code and Output:





- In this phase, we have created a new CSS file "main.css".
- Here in the CSS file, we have given style rules to "body, header div and all small to big header tags.
- Added, background color, text-alignment, padding and margin.
- Also, we have linked this CSS file by adding a stylesheet reference in the index.html file.

Why we used External CSS -

There are three methods through which we could implement CSS in our webpage.

- 1. Inline CSS
- 2. Internal CSS
- 3. External CSS

Here, as we have saw an external CSS file i.e., main.css was linked to the html file. So, this is external css. Using this method made our code efficient and easy to work with. We can use similar styles for many web pages and we just have to link our CSS to the document and not edit each and every tag in the file to include some styles.

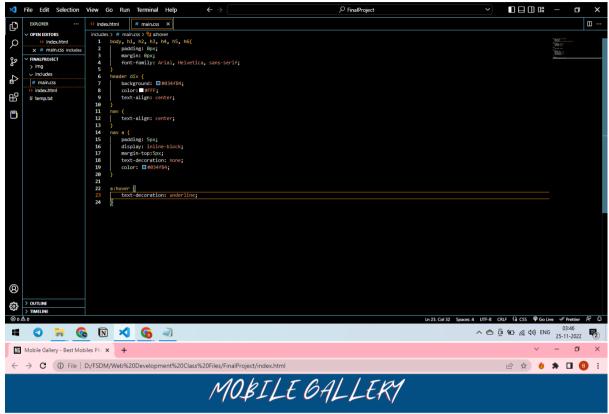
The link tag connects the html document to the CSS file –

```
<link rel="stylesheet" href="/styles/black.css" type="text/css" media="screen" />
```

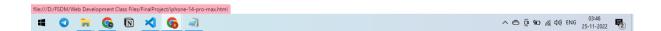
This is example of link tag. Where,

- rel the relationship of the link to the document
- **href** in this case the location of the stylesheet to be included
- **type** the type of file it is (in our case text/css)
- media for what media the stylesheet is to be included
 - **screen** normal computer browser on screen
 - **print** on paper (printer friendly)
 - aural for speech synthesizers
 - **embossed** intended for Braille printers
 - all intended for all types of media

> Code and Output:



Home iPhone 14 Pro Max Samsung S22 Ultra Contact Us About Us



- Here we have added some more styles under CSS file.
- Using nav, it has been aligned to centre added some padding color and decoration.

<padding> - Padding is a CSS property that sets the padding area on all four sides of an element at once. The element padding area is the space between the content and its border.

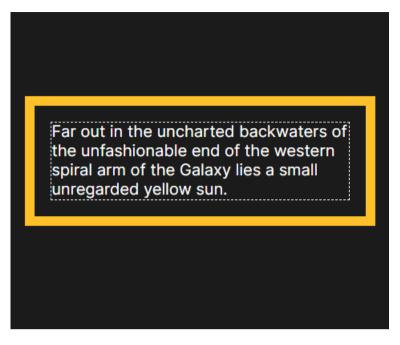
We can pad individual sides of the content using these CSS properties: -

- padding-bottom
- padding-left
- padding-top
- padding-right

These properties are very much self-explanatory as padding here would be applied to only one side and we must mention it there. This provides the developer more options when it comes to making the text more readable or creating an overall aesthetic webpage. This finally proves to be more user-friendly.

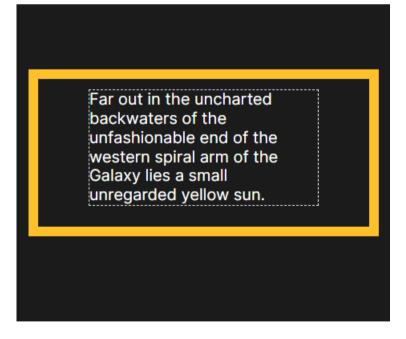
Example -

padding: 1em;



This represents 1em of padding

padding: 10px 50px 20px;



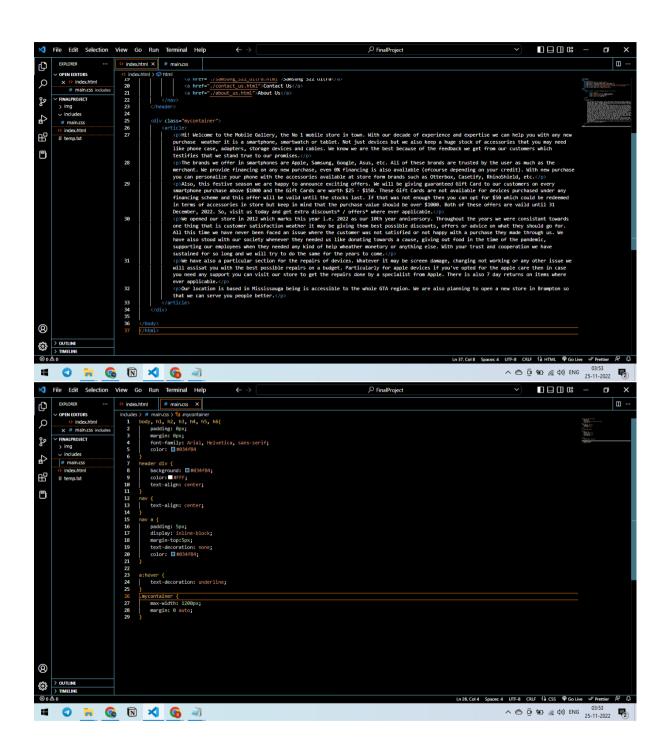
Here every side of the element has specific padding applied in terms of pixels (px).

padding: 10% 0;

Far out in the uncharted backwaters of the unfashionable end of the western spiral arm of the Galaxy lies a small unregarded yellow sun.

Here the padding is given in percentage and only two values are mentioned. So, the first value = 10% is applied to top and bottom of the box and second value = 0 is applied to the right and left of the webpage.

> Code and Output:



Home iPhone 14 Pro Max Samsung S22 Ultra Contact Us About Us

Hill Welcome to the Mobile Gallery, the No 1 mobile store in town. With our decade of experience and expertise we can help you with any new purchase weather it is a smartphone, smartwatch or tablet. Not just devices but we also keep a huge stock of accessories that you may need like phone case, adapters, storage devices and cables. We know we are the best because of the feedback we get from our customers which testifies that we stand true to our promises.

The brands we offer in smartphones are Apple, Samsung, Google, Asus, etc. All of these brands are trusted by the user as much as the merchant. We provide financing on any new purchase, even 0% financing is also available (ofcourse depending on your credit). With new purchase you can personalize your phone with the accessories available at store form brands such as Otterbox, Casetify, RhinoShield, etc.

Also, this festive season we are happy to announce exciting offers. We will be giving guaranteed Gift Card to our customers on every smartphone purchase above \$1000 and the Gift Cards are worth \$25 - \$150. These Gift Cards are not available for devices purchased under any financing scheme and this offer will be vaild until the stocks last. If that was not enough then you can opt for \$50 which could be redeemed in terms of accessories in store but keep in mind that the purchase value should be over \$1000. Both of these offers are vaild until 31 December, 2022. So, visit us today and get extra discounts* / offers* where ever applicable.

We opened our store in 2012 which marks this year i.e. 2022 as our 10th year anniversory. Throughout the years we were consistant towards one thing that is customer satisfaction weather it may be giving them best possible discounts, offers or advice on what they should go for. All this time we have never been faced an issue where the customer was not satisfied or not happy with a purchase they made through us. We have also stood with our society whenever they needed us like donating towards a cause, giving out food in the time of the pandemic, supporting our employees when they needed any kind of help wheather monetory or anything else. With your trust and cooperation we have sustained for so long and we will try to do the same for the years to come.

We have also a particular section for the repairs of devices. Whatever it may be screen damage, charging not working or any other issue we will assisat you with the best possible repairs on a budget. Particularly for apple devices if you've opted for the apple care then in case you need any support you can visit our store to get the repairs done by a specialist from Apple. There is also 7 day returns on items where ever applicable.

Our location is based in Mississauga being is accessible to the whole GTA region. We are also planning to open a new store in Brampton so that we can serve you people better.



- Here we have created one class "container".
- Added the article tag and by using p tag created some content about the store.

- This is an html element that represents a paragraph. Paragraphs are block level elements. This could also contian text with inline text elements such as, , , or <code>.

Examples-

Some species live in houses where they hunt insects attracted by artificial light.

Some species live in houses where they hunt insects attracted by artificial light.

As, we can see there is no tags being displayed in the final output. We can also beautify the p tag with tags such as <h1> which are used to define the size of text.

There are six different h tags. Those are H1, H2, H3, H4, H5, and H6.

The H1 is the largest and the H6 is the smallest. This could be used to create headings, subheading and paragraphs etc.

Example-

```
<h1>Heading level 1</h1>
<h2>Heading level 2</h2>
<h3>Heading level 3</h3>
<h4>Heading level 4</h4>
<h5>Heading level 5</h5>
<h6>Heading level 6</h6>
```

Heading level 1

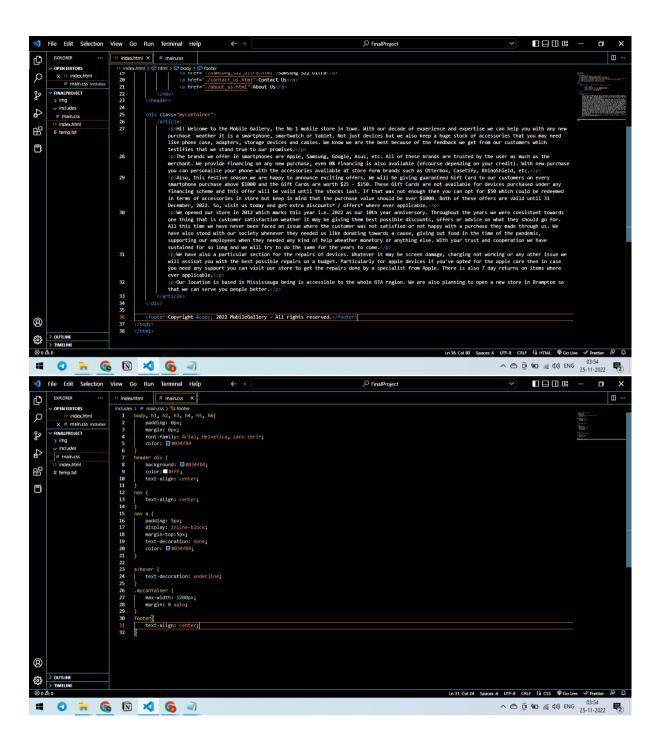
Heading level 2

Heading level 3

Heading level 4

Heading level 5

Heading level 6



Home iPhone 14 Pro Max Samsung S22 Ultra Contact Us About Us

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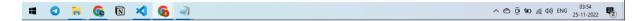
Also, this festive season we are happy to announce exciting offers. We will be giving guaranteed Gift Card to our customers on every smartphone purchase above \$1000 and the Gift Cards are worth \$25 - \$150. These Gift Cards are not available for devices purchased under any financing scheme and this offer will be vailed until the stocks last. If that was not enough then you can opt for \$50 which could be redeemed in terms of accessories in store but keep in mind that the purchase value should be over \$1000. Both of these offers are vailed until 31 December, 2022. So, visit us today and get extra discounts* / offers* where ever applicable.

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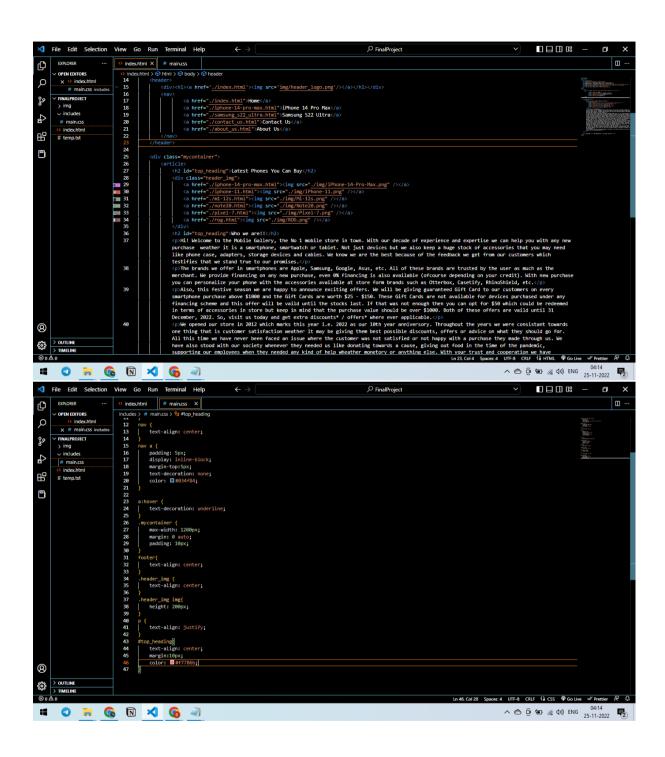
Copyright © 2022 MobileGallery - All rights reserved.



- Here we have added footer to our page.
- Inside CSS, used the footer block and aligned it to centre.
- We can see the output of footer being aligned to centre.

<footer> - This is a HTML element which is used to place a footer below the webpages. These usually conatin authorship, copyright, contact, sitemap, back to top icon or related items.

> Code and Output:

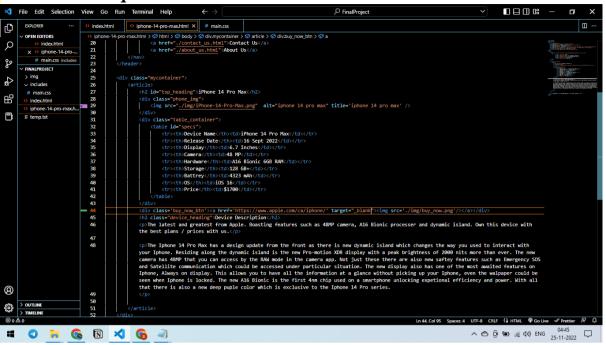


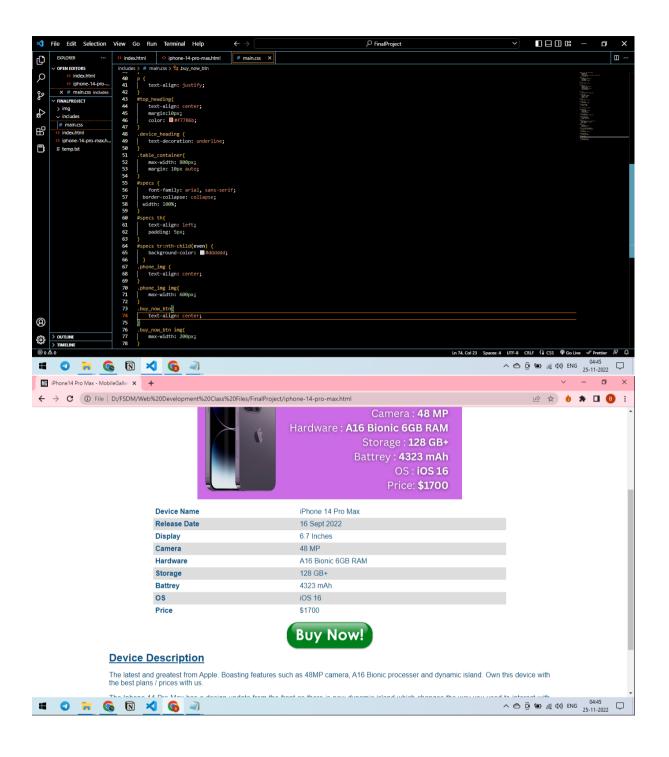


- Here we have created one class "container".
- Using id under h2 tag given the title of the page.
- Under div we have positioned some images of our products with description of our available products.
- Used CSS file to add some color and size to the text being displayed and aligned images with specified padding and spacing.

<id>- ID is an identifier which must be unique in the whole document. This is a global variable. The main purpose of ID is to identify the element when we are linking or applying a style on it.

Code and Output:

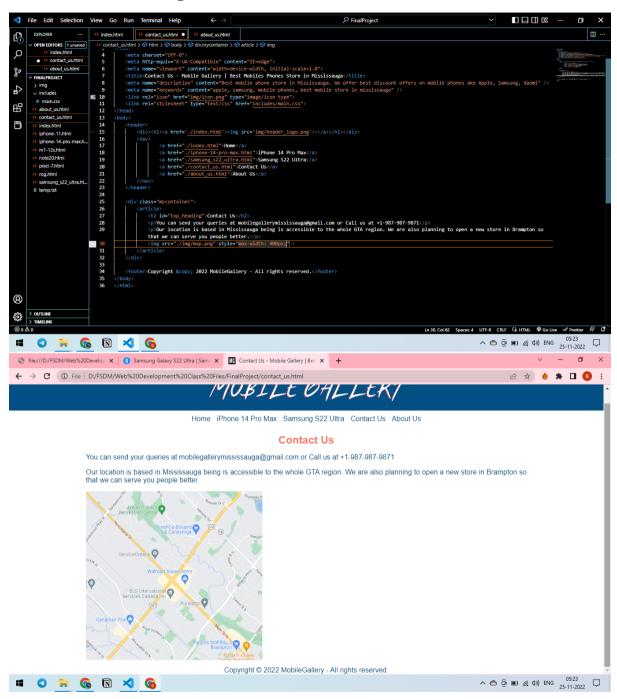




- Here we have created one buy now button for the customers to buy the product.
- Added the device description under class using .
- Using CSS we have aligned the button to centre.
- As we have used the description image to which using CSS added the max width.

<class> - The class is also a global variable. This is a space seperated list of case sensitive classes of an element. When we define classes it enables us to select and access specific elements via the class selectors.

> Code and Output:



- Here we have added some contact us details.
- Added our contact information like: mail and phone number. Also our service locations.
- Lastly, we have provided the map and the major intersection to reach our store.

 - The image tag is used to embed an image in the webpage.

```
<img class="picture"
    src="31.jpg"
    alt="Grapefruit">
```

Here,

- src is the path of the file we want to diplay on the webpage.
- alt holds the text description of the image if it cannot loadup on the webpage.



END of Mobile Gallery Web Page Explanation

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