Experiment-1

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Title	Website using HTML5
Objective	To develop website and understand the use of HTML5.
Outcome	To successfully develop a website using HTML5, understanding the use of various html tags and the limitations of HTML5.
Theory	Following are the tags used in developing the website:
	 All HTML documents must start with a <!DOCTYPE > declaration. The declaration is not an HTML tag. It is an "information" to the browser about what document type to expect. In HTML 5, the declaration is simple: <!DOCTYPE html>
	<html> The <html> tag represents the root of an HTML document.</html>The <html> tag is the container for all other HTML elements (except for the <!DOCTYPE > tag).</html></html>
	<head></head>
	 The <head> element is a container for metadata (data about data) and is placed between the <html> tag and the <body> tag.</body></html></head> Metadata is data about the HTML document. Metadata is not displayed. Metadata typically define the document title, character set, styles, scripts, and other meta information. The following elements can go inside the <head> element: <title> (required in every HTML document), <style> , <base> , </td></tr><tr><td>< , < meta> , < script> , < noscript></td></tr><tr><th><title></th></tr><tr><td> The <title> tag defines the title of the document. The title must be text-only, and it is shown in the browser's title bar or in the page's tab. The <title> tag is required in HTML documents! The contents of a page title is very important for search engine optimization (SEO)! The page title is used by search engine algorithms to decide the order when listing pages in search results. The <title> element: </td></tr><tr><td>defines a title in the browser toolbar</td></tr></tbody></table></title></head>

provides a title for the page when it is added to favorites displays a title for the page in search-engine results

<body>

- The <body> tag defines the document's body.
- The <body> element contains all the contents of an HTML document, such as headings, paragraphs, images, hyperlinks, tables, lists, etc. There can only be one <body> element in an HTML document.

<a>>

- The <a> tag defines a hyperlink, which is used to link from one page to another.
- The most important attribute of the <a> element is the href attribute, which indicates the link's destination.

- The
br> tag inserts a single line break.
- The
br> tag is useful for writing addresses or poems.
- The
br> tag is an empty tag which means that it has no end tag.

<but>

- The <button> tag defines a clickable button.
- Inside a <button> element you can put text (and tags like <i>, ,
, , etc.). This is not possible with a button created with the <input> element!

<center>

• The <center> tag was used in HTML4 to center-align text.

• The tag was used in HTML 4 to specify the font face, font size, and color of text.

<h1 - h6>

- The <h1> to <h6> tags are used to define HTML headings.
- <h1> defines the most important heading. <h6> defines the least important heading.

<hr>

- The <hr> tag defines a thematic break in an HTML page (e.g. a shift of topic).
- The <hr> element is most often displayed as a horizontal rule that is used to separate content (or define a change) in an HTML page.

- The tag is used to embed an image in an HTML page.
- Images are not technically inserted into a web page; images are linked to web pages. The tag creates a holding space for the referenced image.
- The tag has two required attributes:
 src Specifies the path to the image
 alt Specifies an alternate text for the image, if the image for some reason cannot be displayed

<input>

- The <input> tag specifies an input field where the user can enter data.
- The <input> element is the most important form element.
- The <input> element can be displayed in several ways, depending on the type attribute.

<label>

• The <label> tag defines a label for several elements. The for attribute of <label> must be equal to the id attribute of the related element to bind them together.

>

- The tag defines a paragraph.
- Browsers automatically add a single blank line before and after each element.

<textarea>

- The <textarea> tag defines a multi-line text input control.
- The <textarea> element is often used in a form, to collect user inputs like comments or reviews.
- A text area can hold an unlimited number of characters, and the text renders in a fixed-width font (usually Courier).
- The size of a text area is specified by the <cols> and <rows> attributes.

• The tag defines text that has been deleted from a document. Browsers will usually strike a line through deleted text.

• The tag specifies bold text without any extra importance.

<form>

- The <form> tag is used to create an HTML form for user input.
- The <form> element can contain one or more of the following form elements: <input> , <textarea> , <button> , <select> , <option> , <optgroup> , <fieldset> , <label> , <output>

<option>

- The <option> tag defines an option in a select list.
- <option> elements go inside a <select>, <optgroup>,
 or <datalist> element.

<select>

- The <select> element is used to create a drop-down list.
- The <select> element is most often used in a form, to collect user input.
- The <option> tags inside the <select> element define the available options in the drop-down list.

Code:

1.index.html

2.register.html

```
<!DOCTYPE html>
<html>
<head>
    <title>
        Register
    </title>
</head>
<body background="key.jpg">
    <font color="white">
    <h2>Games Tycoon</h2>
    <button type="button" onclick="document.location='index.html'">Home</button>
    <button type="button" onclick="document.location='latest.html'">Latest Games
</button>
    <button type="button" onclick="document.location='popular.html'">Popular Gam
es</button>
    <button type="button" onclick="document.location='contact.html'">Contact Us
/button>
    <button type="button" onclick="document.location='about.html'">About Us</but</pre>
        <h3>Register</h3>
    Nickname:<input type="text"><br>
    Email address:<input type="text"><br>
    Password:<input type="password"><br>
    DOB(DD/MM/YY):<input type="text"><br>
    <form>
        <br>Which type of games do you like to play:<br>
        <input type="checkbox">Action<br>
        <input type="checkbox">Adventure<br>
        <input type="checkbox">Open World<br>
        <input type="checkbox">Horror<br>
        <input type="checkbox">Racing<br>
        <input type="checkbox">Sports<br>
```

```
<input type="checkbox">Strategy<br>
        Have you downloaded games before from any other websites:<br>
        <input type="radio" name="option">Yes
        <input type="radio"name="option">No<br><br>
        <input type="Reset" value="Clear"><br>
        <font color="red">
        Click the 'Clear' button <b>ONLY</b> if you want to clear all the option
s selected above.<br>
    </font>
    </form>
    Terms and conditions:-<br>
    <h2><b>Policy Agreement</b></h2>
    <textarea rows="4" cols="60">
    This site will help you to guide you through every single step to download a
 game which you like and make it easier. Any problem occuring during the downloa
ding of a game will not be our reponsibility(only if the steps are followed prop
erly). Be cautious not to download the extra files asked while downloading.
    </textarea><br>
    By accepting the above policy agreement you become eligible to register.
    <input type="checkbox">I accept<br>
    <button type="button" onclick="document.location='thanks.html'"><b>Register
/b></button>
</body>
</html>
```

3.latest.html

```
<!DOCTYPE html>
<html>
<head>
    <title>
        Latest Games
    </title>
</head>
<body background="main.jpg">
    <font color="white">
        <h2>Games Tycoon</h2>
    <button type="button" onclick="document.location='index.html'">Home</button>
    <button type="button" onclick="document.location='popular.html'">Popular Gam
es</button>
    <button type="button" onclick="document.location='contact.html'">Contact Us
/button>
    <button type="button" onclick="document.location='about.html'">About Us</but</pre>
        <h2>Latest games available in our website are:</h2>
        <a href="valorant.html">
            <img src="valorant.png" height="350" width="600" align="left">
```

4.popular.html

```
<!DOCTYPE html>
<html>
<head>
   <title>
       Popular Games
   </title>
</head>
<body background="main.jpg">
   <font color="white">
   <h2>Games Tycoon</h2>
   <button type="button" onclick="document.location='index.html'">Home</button>
   <button type="button" onclick="document.location='latest.html'">Latest Games
</button>
   <button type="button" onclick="document.location='contact.html'">Contact Us
   <button type="button" onclick="document.location='about.html'">About Us</but</pre>
       <h2>Popular games available in our website are:</h2>
       <a href="forza.html">
           <img src="forza.jpg" height="350" width="650" align="left">
       </a>
       <a href="csgo.html">
           <img src="csgo.png" height="340" width="590" align="right">
       Click the images to download the game from our website.
   </font>
</body>
</html>
```

5.contact.html

```
</title>
</head>
<body background="key.jpg">
    <font color="white">
        <h1>Games Tycoon</h1>
        <button type="button" onclick="document.location='index.html'">Home</but</pre>
        <button type="button" onclick="document.location='about.html'">About Us<</pre>
/button>
        <br><br><h3>Contact Us:-</h3>
        <form>
            Name:<input type="text"><br><br>
            Email Id:<input type="text"><br><br>
            Mobile No:<input type="text"><br><br><br><br></pr>
            Message: <br><textarea rows="4" cols="60"></textarea><br>
        </form>
        <button type="button" onclick="document.location='index.html'">Submit</br>
utton>
        For more queries:-<br>
    Contact:- 9869868007<br>
    Email Id:-gamestycoon@gmail.com<br>
    </font>
</body>
</html>
```

6.about.html

```
<!DOCTYPE html>
<html>
<head>
    <title>
        About Us
    </title>
</head>
<body background="key.jpg" text="white">
    <h1>Games Tycoon</h1>
    <button type="button" onclick="document.location='index.html'">Home</button>
    <button type="button" onclick="document.location='contact.html'">Contact Us
/button>
        <br/><br><h3><b>ABOUT US:</b></h3>
        Our website can be used to download any game in which you are intere
sted for free.
        Website is updated frequently with all the latest games and to remov
e the bugs and errors causing inconvinence to any of our customers.</li>
        >Website will help you guide through each step for downloading.
        <\mathtt{li}>We would be happy to hear any kind of suggestions from our customers
 related to any improvements that has to made in the website to provide a better
 surfing experience.
```

```
</body>
</html>
```

7.csgo.html

```
<!DOCTYPE html>
<html>
    <title>
        CS:GO
    </title>
</head>
<body background="main.jpg">
    <font color="white">
        <h1>Games Tycoon</h1>
        <button type="button" onclick="document.location='index.html'">Home</but</pre>
        <button type="button" onclick="document.location='latest.html'">Latest G
ames</button>
        <button type="button" onclick="document.location='popular.html'">Popular
Games</button>
        <button type="button" onclick="document.location='contact.html'">Contact
Us</button>
        <button type="button" onclick="document.location='about.html'">About Us
/button>
        <br><br><br>></pr>
    <img src="csgo.png" height="480" width="850"><br>
    <font color="white">
        <h1>Counter Strike : Global Offensive</h1>
        The game pits two teams against each other: the Terrorists and the Co
unter-
Terrorists. Both sides are tasked with eliminating the other while also completi
ng separate objectives. The Terrorists, depending on the game mode, must either
plant the bomb or defend the hostages, while the Counter-
Terrorists must either prevent the bomb from being planted, defuse the bomb, or
rescue the hostages. There are nine game modes, all of which have distinct chara
cteristics specific to that mode. The game also has matchmaking support that all
ows players to play on dedicated Valve servers, as well as allowing members of t
he community to host their own servers with custom maps and game modes. cbr><br>
        System Requirements:-<br>
        CPU: Intel Core 2 Duo E6600 / AMD Phenom X3 8750 or better.<br>
        RAM: 2 GB.<br/>br>
        HDD: 15 GB of storage space.<br>
        GPU: Video card must be 256 MB or more and should be a DirectX 9.<br
        OS: Windows 7, Windows Vista, Windows XP.<br>
        DirectX: Version 9.0c.<br>
    <input type="button" value="DOWNLOAD"><br>
```

```
</font>
</body>
</html>
```

8.forza.html

```
<!DOCTYPE html>
<html>
    <title>
        Forza Horizon 4
    </title>
</head>
<body background="main.jpg">
    <font color="white">
    <h1>Games Tycoon</h1>
    <button type="button" onclick="document.location='index.html'">Home</button>
    <button type="button" onclick="document.location='latest.html'">Latest Games
</button>
    <button type="button" onclick="document.location='popular.html'">Popular Gam
es</button>
    <button type="button" onclick="document.location='contact.html'">Contact Us
/button>
    <button type="button" onclick="document.location='about.html'">About Us</but</pre>
    <br><br><br>>
    <img src="forza.jpg" height="350" width="700"><br>
        <h1>Forza Horizon 4</h1><br>
        Forza Horizon 4 is a racing video game set in an open world environme
nt based in a fictionalised Great Britain, with regions that include condensed r
epresentations of Edinburgh, the Lake District (including Derwentwater), and the
Cotswolds (including Broadway), among others, and features currently over 670 l
icensed cars. The game features a route creator which enables players to create
their own races. The game takes place in a synchronised shared world, compared t
driven 'drivatars' from its predecessors, with each server supporting up to 72 p
layers. The game is also playable in offline mode.<br><br>></pr>
        OS: Windows 10.<br>
        DirectX: DirectX 12 API.<br>
        Memory: 8GB.<br>
        VRAM: 2GB.<br>
        Processor: Intel i3-4170 @ 3.7Ghz or Intel i5 750 @ 2.67Ghz.<br
    <input type="button" value="DOWNLOAD"><br><br>
</body>
</html>
```

9.valhalla.html

```
<!DOCTYPE html>
<html>
<head>
    <title></title>
</head>
<body background="main.jpg">
    <font color="white">
        <h1>Games Tycoon</h1>
        <button type="button" onclick="document.location='index.html'">Home</but</pre>
        <button type="button" onclick="document.location='latest.html'">Latest G
ames</button>
        <button type="button" onclick="document.location='popular.html'">Popular
Games</button>
        <button type="button" onclick="document.location='contact.html'">Contact
Us</button>
        <button type="button" onclick="document.location='about.html'">About Us
/button>
        <br><br><br>>
    <img src="valhalla.png" height="400" width="750"><br>
    <font color="white">
        <h1>Assassin's Creed : Valhalla</h1>
        Assassin's Creed Valhalla is an open world action-
adventure game, structured around several main story quests and numerous optiona
l side missions. The player takes on the role of Eivor, a Viking raider, as they
lead their fellow Vikings against the Anglo-
Saxon kingdoms. The player will have the choice of playing Eivor as either male
(voiced by Magnus Bruun [da]) or female (voiced by Cecilie Stenspil [da]) and is
able to customise Eivor's hair, warpaint, clothing, armor, and tattoos. The vari
ety of weapons available to the player has been expanded to include weapons such
as flails and greatswords. Combat has been changed to allow dual wielding of al
most any weapon, including shields, and every piece of gear that the player coll
ects is unique. The Eagle Vision mechanic of previous titles will return in the
form of "Odin Sight". The player's companion animal will be a raven named Synin(
Old Norse for "insight")and can be used to scout the nearby areas, much like pre
vious avian companions had done in Origins and Odyssey, identifying foes and asp
ects of the game world from afar before Eivor engages in combat. There will be m
ore focus on the stealth aspects for both traversing the game world and in comba
t. The "social stealth" concept from earlier Assassin's Creed games will return:
Eivor can hide from enemies not only in stationary environmental objects, but c
an pull down their hood and slip into certain crowds to use them as cover. Eivor
can feign death, use their raven to distract guards, and can access a hidden bl
ade for near instantaneous assassinations. The game's key boss characters all wi
ll have a route through approach, tactics, and weapon selection to be assassinat
ed through a single attack, but still can be defeated through numerous other rou
tes.<br><br>>
        System Requirements:-<br>
        OS : Win 10 64.<br>
```

```
Processor: Intel Core i5-2500K 3.3GHz / AMD FX-8320.<br/>Graphics: AMD Radeon R9 380 or NVIDIA GeForce GTX 960 2GB.<br/>VRAM: 4GB.<br/>System Memory: 8 GB RAM.<br/>Storage : 80 GB Hard drive space.<br/><input type="button" value="DOWNLOAD"><br/></font></font></font></font></font></font></font></font>
```

10.valorant.html

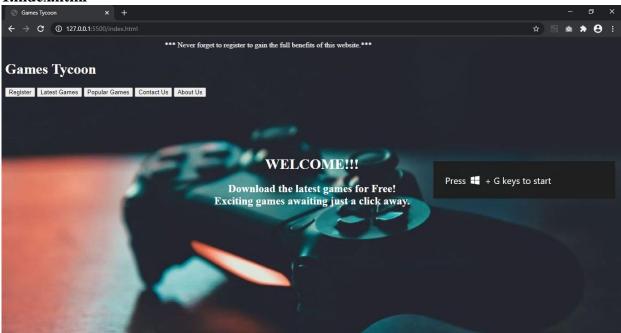
```
<!DOCTYPE html>
<html>
<head>
   <title>
       Valorant
    </title>
<body background="main.jpg">
    <font color="white">
        <h1>Games Tycoon</h1>
        <button type="button" onclick="document.location='index.html'">Home</but</pre>
ton>
        <button type="button" onclick="document.location='latest.html'">Latest G
ames</button>
        <button type="button" onclick="document.location='popular.html'">Popular
Games</button>
        <button type="button" onclick="document.location='contact.html'">Contact
Us</button>
        <button type="button" onclick="document.location='about.html'">About Us
/button>
        <br><br><br>>
    <img src="valorant.png" height="500" width="750"><br>
    <font color="white">
        <h1>Valorant</h1><br>
        Valorant is a team-based tactical shooter and first-
person shooter set in the near-
future.Players play as one of a set of agents, characters designed based on seve
ral countries and cultures around the world. In the main game mode, players are
assigned to either the attacking or defending team with each team having five pl
ayers on it. Agents have unique abilities each requiring charges, as well as a u
nique ultimate ability which requires charging through kills, deaths, or spike a
ctions. Each player starts each round with a "classic" pistol and with one or mo
re "signature ability" charge. Other weapons and ability charges can be purchase
d using an in game economic system which awards money based on the outcome of th
e previous round, any kills the player is responsible for, and any actions taken
with the spike. The game has an assortment of weapons including sidearms, subma
chine guns, shotguns, machine guns, assault rifles and sniper rifles. Automatic
and semi-
automatic weapons such as the "Spectre," "Odin," and "Vandal" have recoil patter
```

11.thanks.html

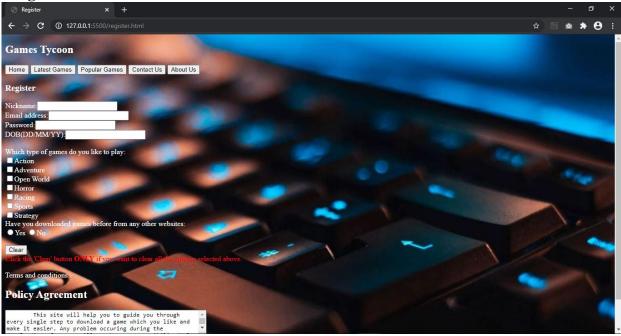
```
<!DOCTYPE html>
<html>
    <title>
        THANK YOU
    </title>
</head>
<body background="mouse.jpg">
    <font color="white">
        <h1>Games Tycoon</h1>
        <button type="button" onclick="document.location='index.html'">Home</but</pre>
    <h1 align="center">THANK YOU!!!</h1>
        <h3 align="center">for spending some of your time to register into our w
ebsite.
    We will try to give you best experience while surfing through our website.</
h3>
</body>
</html>
```

Output:-

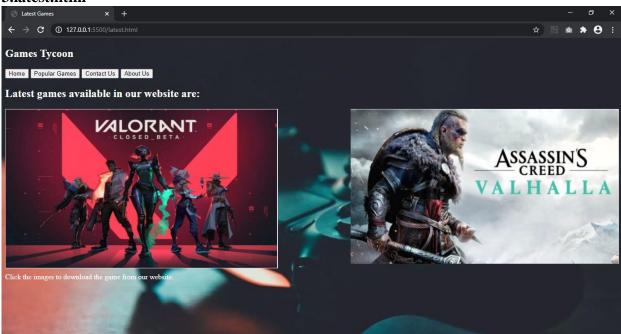
1.index.html



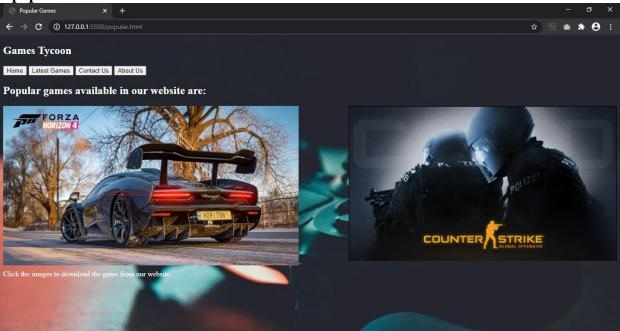
2.register.html



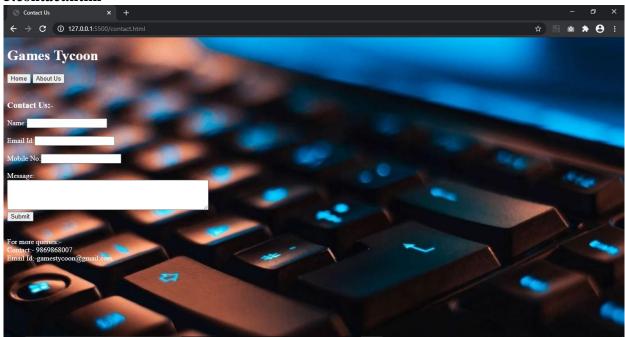
3.latest.html



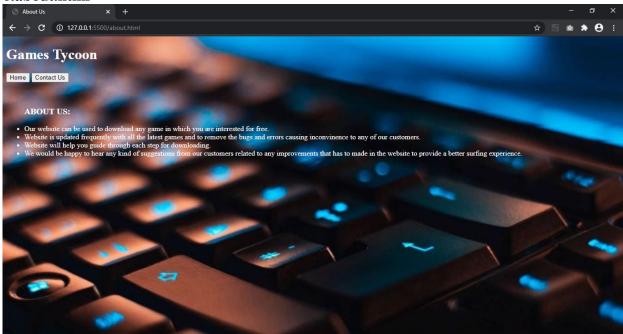
4.popular.html



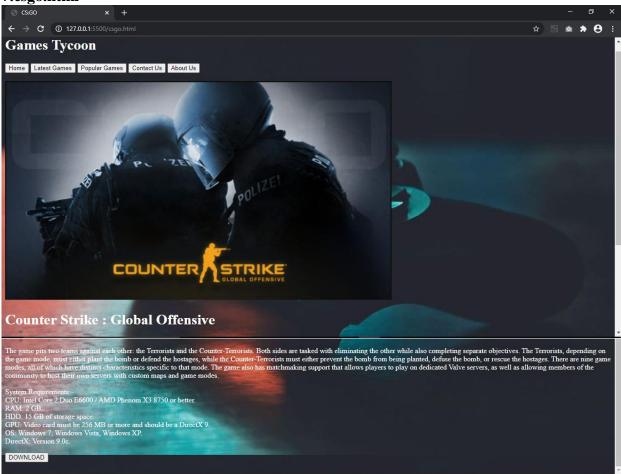
5.contact.html



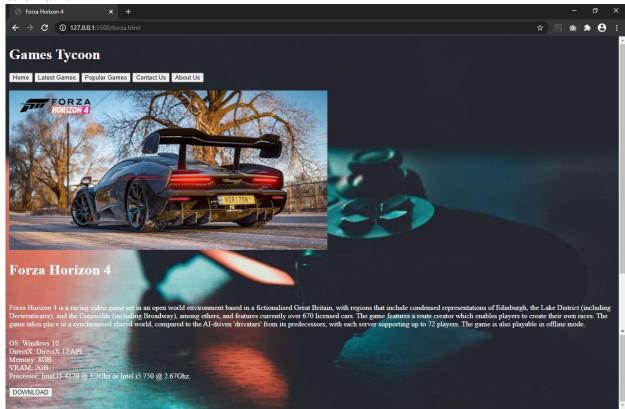
6.about.html



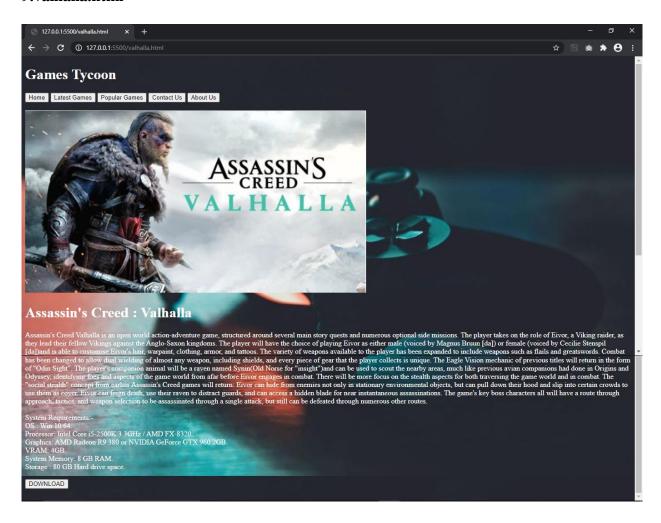
7.csgo.html



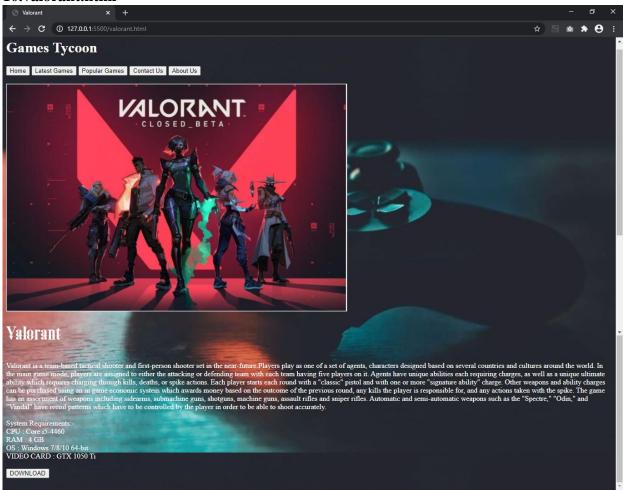
8.forza.html



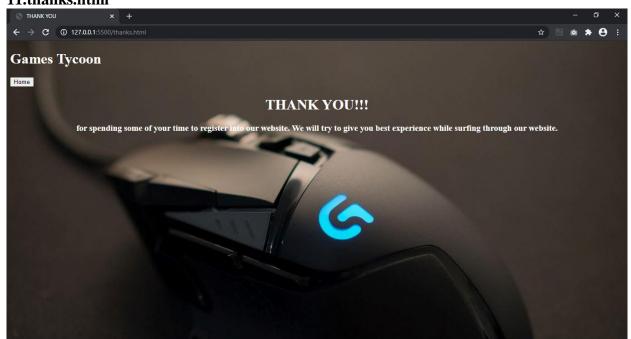
9.valhalla.html



10.valorant.html



11.thanks.html



Conclusion: Thus, we have created a website just by using HTML 5. In this experiment we get to know that only html is not enough to make the website more attractive, CSS plays an important role too.

Reference:

https://www.w3schools.com/html/
https://www.tutorialspoint.com/html/index.htm