

1. Site content and design

<http://lab449.poseidon.salford.ac.uk/webdev>

- The website consists of 3 pages. It talks about the London Bridge and gives some information about it.
- The website used Liquid Layouts.

2. Use of HTML5

- Used comment `<!DOCTYPE html>` in the top of all pages to define that I used (html 5)
- `<head>` to contain `<meta>`, `<title>` and `<style>`
- Used the CSS Style Sheet for all the pages and linked it with:
`<link rel="stylesheet" href="myStyleCSS.css">`
- I used `<html lang = "en">` in all pages to make the language English.
- I used `<meta>` in home page (index) to put the information about the page and tell search engines about the page.
- I used `<body>` element to contains all the contents of an HTML document, with id `<body id="homepagebody">` to style it in CSS sheet
- I used the ul unordered list with id `<ul id="homelinks">` to style it in CSS sheet.
2 (li) inside (ul) and link (a) inside each li to make unordered list of links to take user to other pages (information, design).

Each (a) with different id :

``

``

to style it in CSS sheet

- Used `<title>` tag for the title of the page `<title> London Tower Bridge </title>`
- Used `
` for writing addresses
- Used `<h1>` tag just one time in the page to defines the most important heading
- Then I used `<h2>` tag to represent the less important heading
Used `<p>` tag to define each paragraph, with different id (id="p2"), (id="p3") to style it in CSS sheet
- Also, used `` in h2,p2 and p3 to put background colour to each text to make the text clearer and easier to read.

3. CSS Explanation

- Use interesting CSS elements to show my knowledge in html and CSS.
- CSS sheet is a separate from HTML to makes it easier to maintain sites, share style sheets across pages, and tailor pages to different environments.
- I used Liquid Layouts, and the position as centre.
- And for background I used image for the home page(index):
background-image: url('IMG-20201111-WA0002.jpg'); with image from my own photos.
And for other pages background I used the colour Summer Sky, #33ccff, RGB(51,204,255).
And used Function:
background:linear-gradient (to bottom,#33ccff 0%, #000000 100%);
to make the colour gradually from top to the bottom.
- font-size (vw) unit to make the font size relative with the width of the viewport when users resize the width of the browser window.
Relative to 1% of the width of the viewport
- Text-shadow to put shadow in text
- Font-weight with my choose of (900) to make the text thick
- Animation:
with animation name (homelinks) and used animation-duration: 4s to complete one cycle in 4 seconds,
- @keyframes rule to specifies the animation code, with 50% and background colour Silver (#C0C0C0) to specify change the style background colour in percent of (50%) of 4 second. To make the background colour change and start with the original and comes silver in the 50% of the duration of 4 second. Then return to original background to completely disappear in a total of 4 second.
- Video :
used float to make the video positioning on the right

4. CSS Techniques

5. Graphics and other media

I used this links to take the user to nearest hotel:

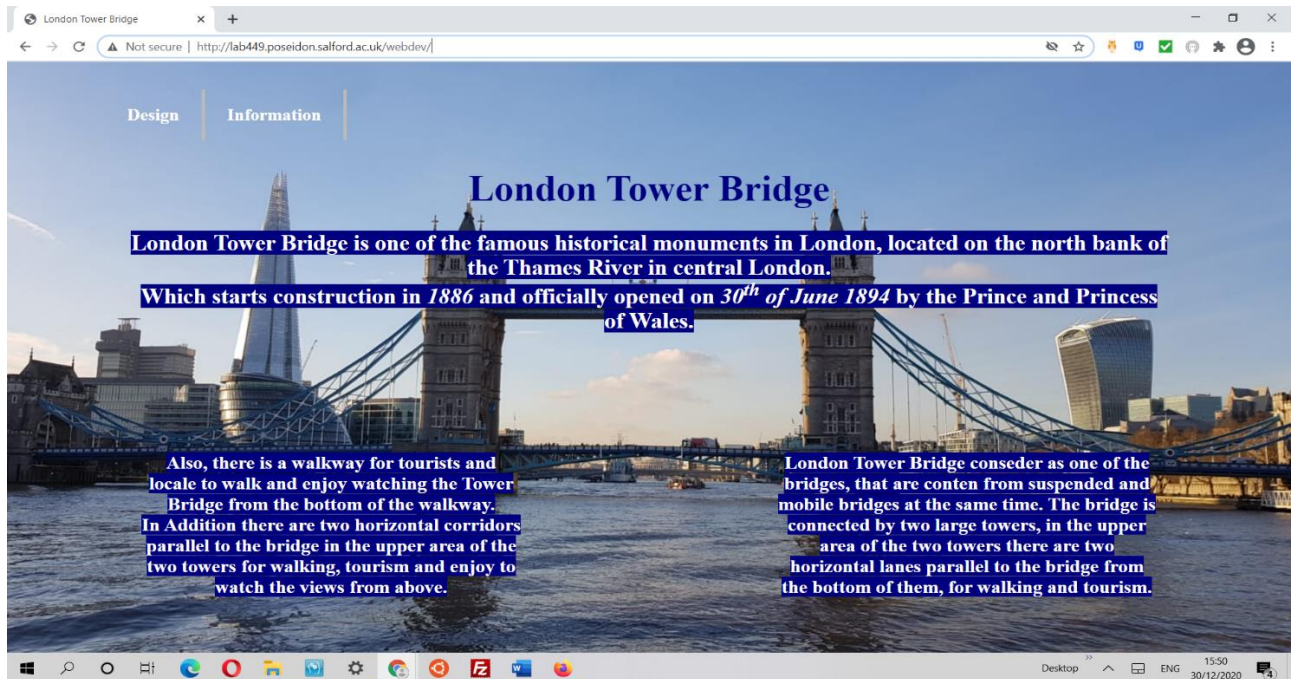
"<https://www.radissonhotels.com/en-us/hotels/park-plaza-westminster-bridge-london>">

"<https://www.radissonhotels.com/en-us/hotels/park-plaza-westminster-bridge-london>">

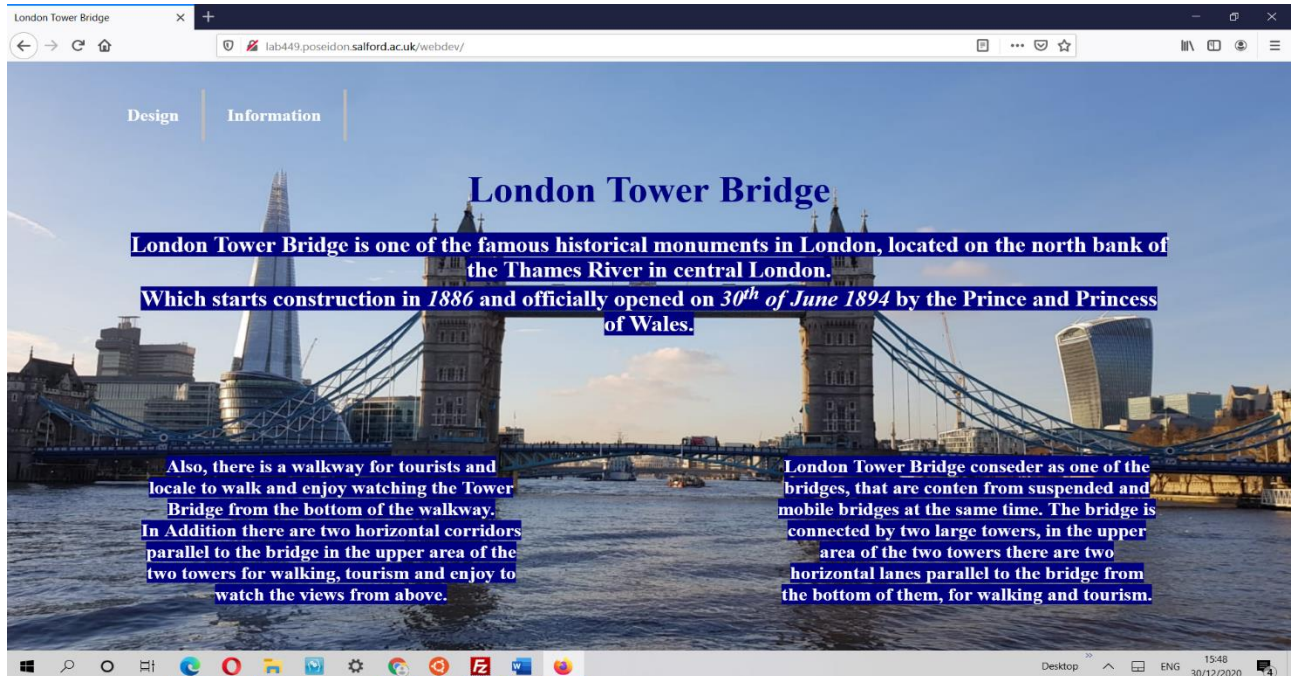
"<https://www.shangri-la.com/en/london/shangrila/>">

6. Testing (browser, font and screen size, platform including mobile)

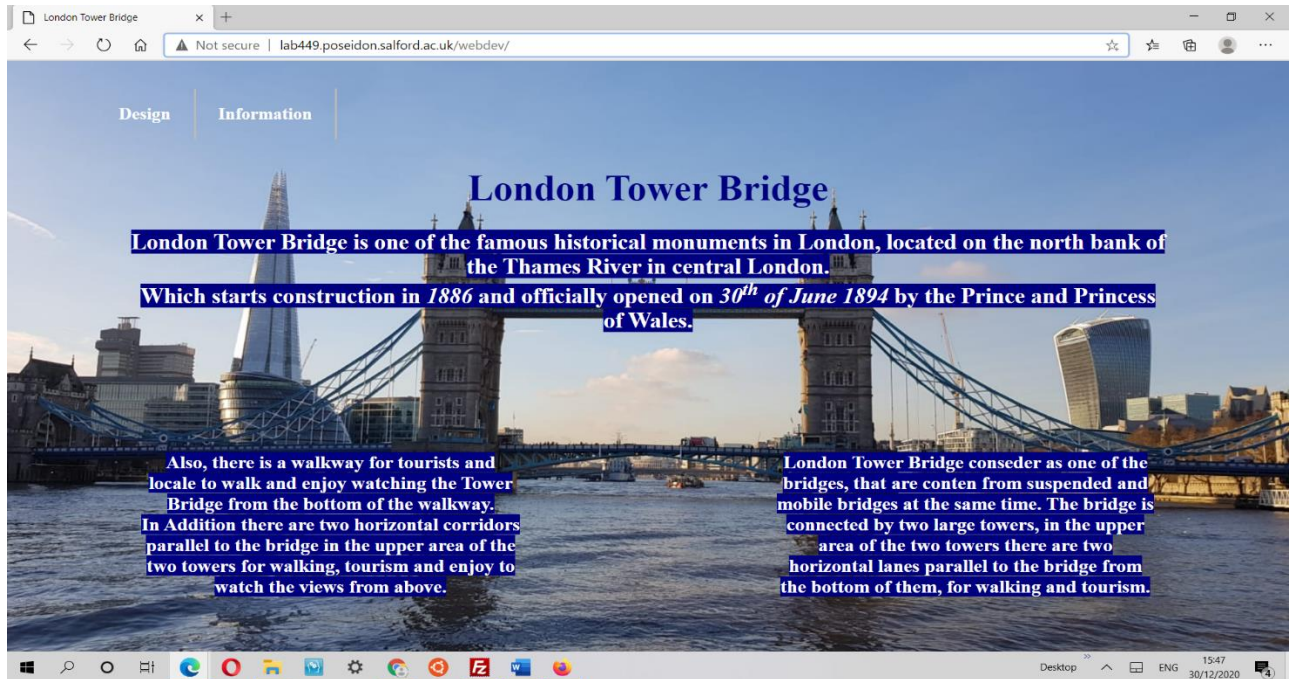
full screen. Chrome



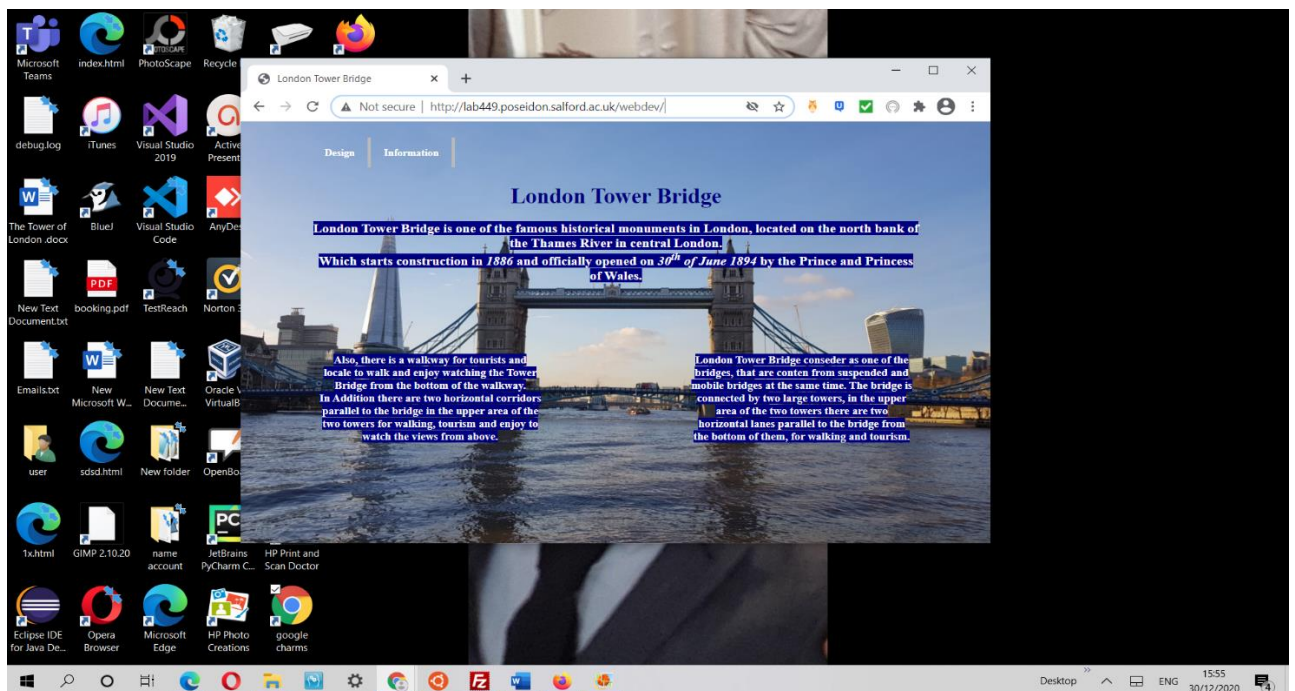
full screen. Firefox



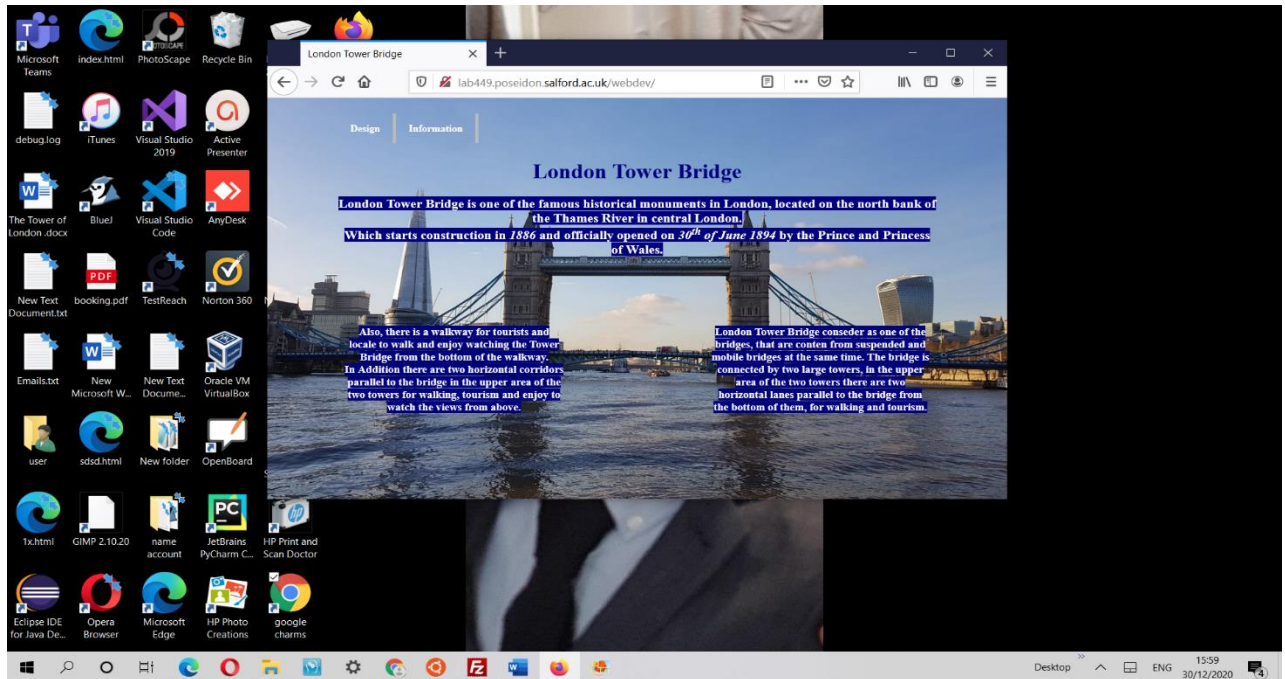
full screen. Microsoft Edge



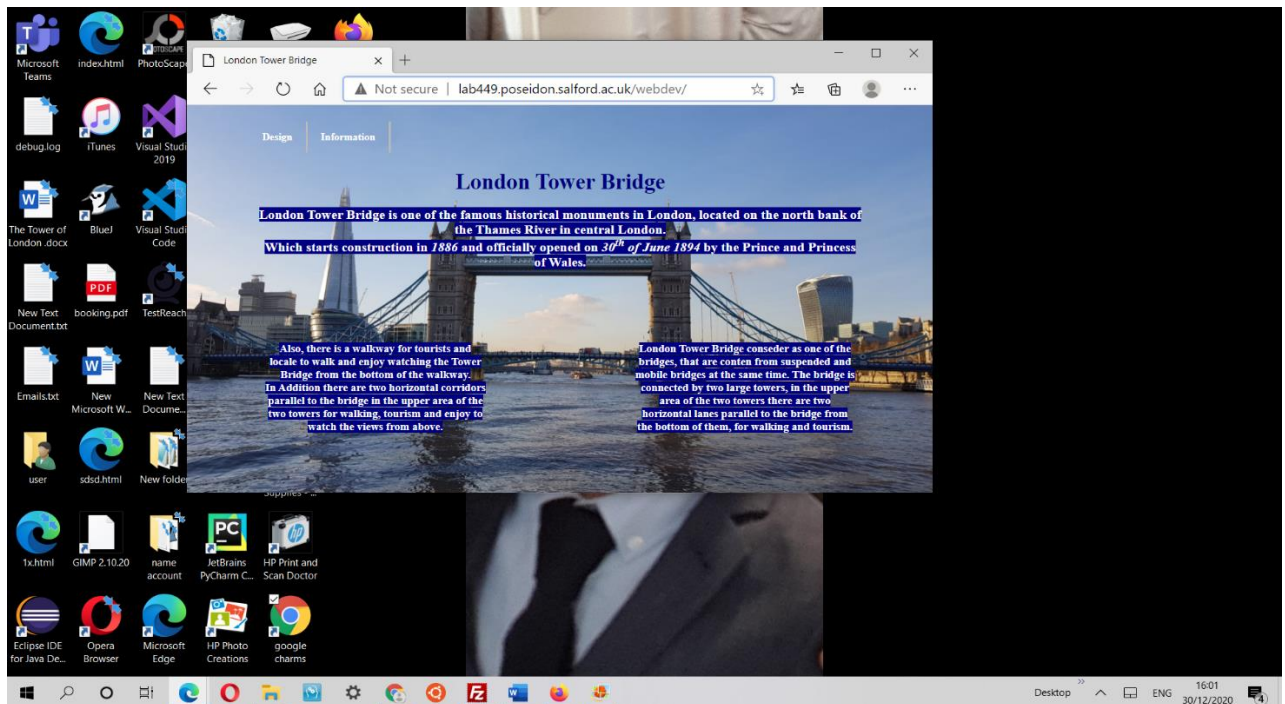
narrow screen. Chrome



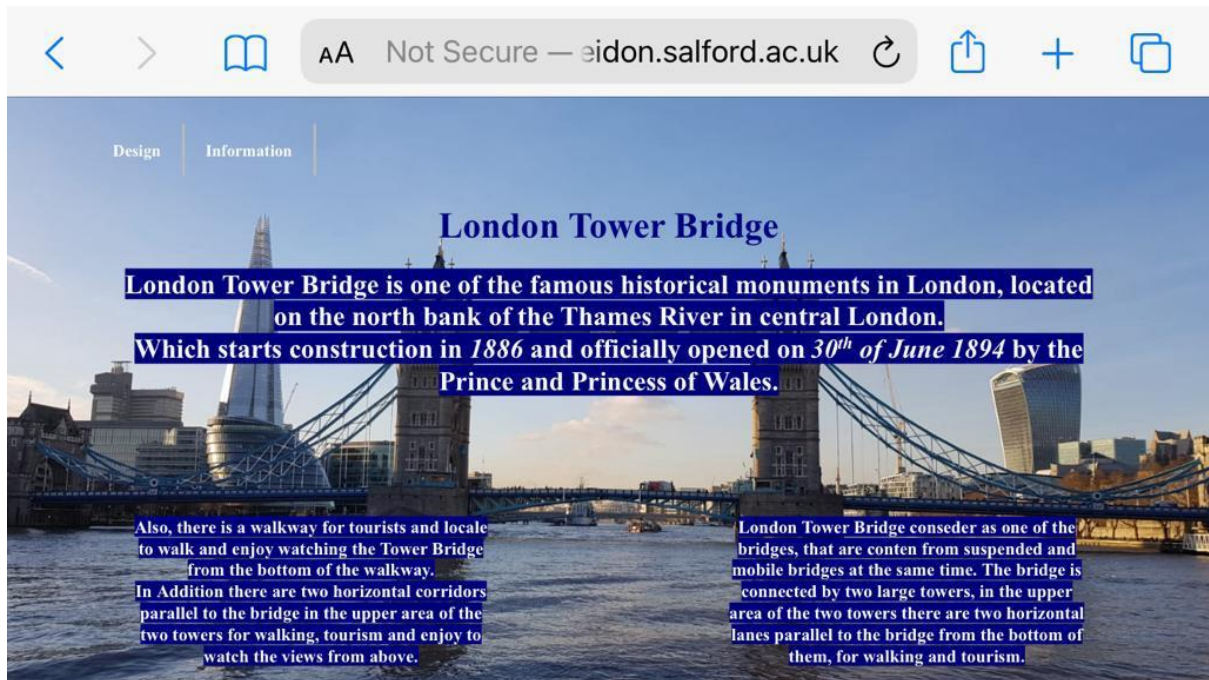
narrow screen. Firefox



narrow screen. Microsoft Edge

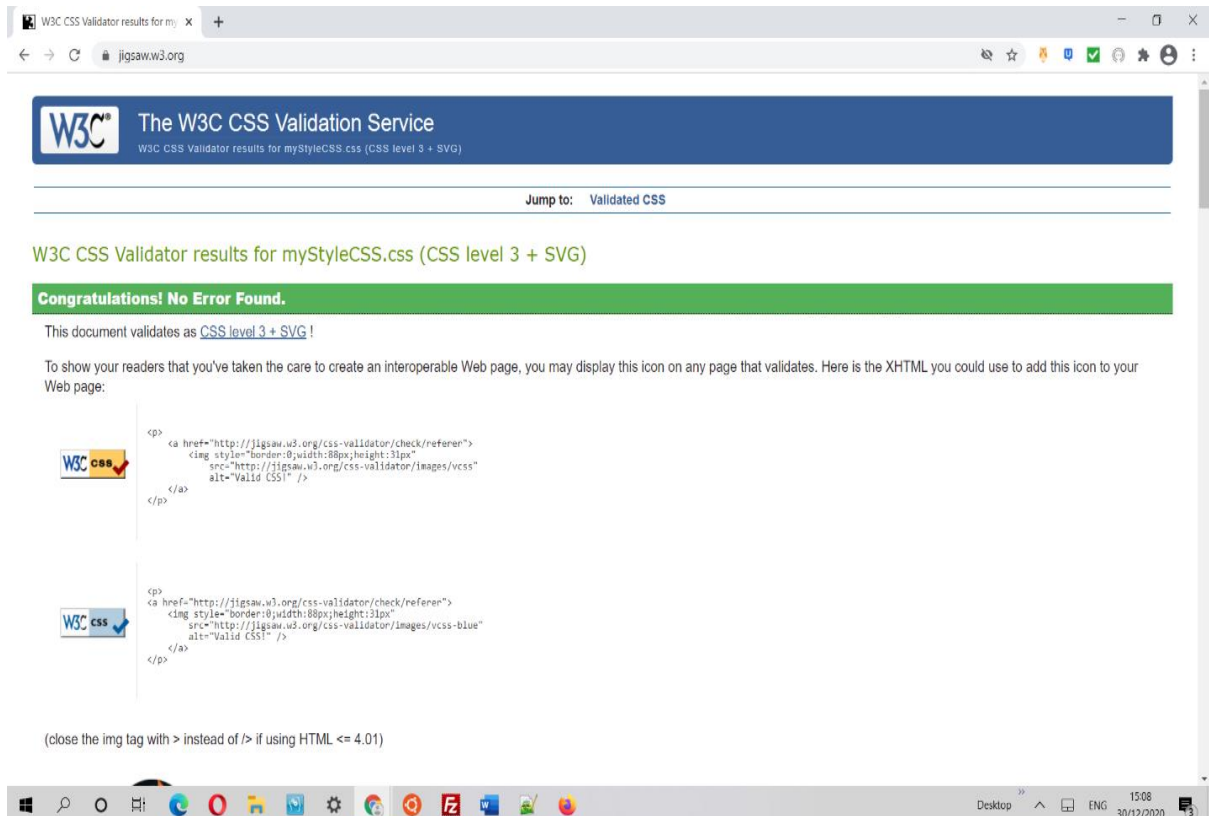


iPhone full screen



7. Validation

CSS-Validation



W3C CSS Validator results for m... x W3 The W3C Markup Validation Ser... x +

← → ↻ jigsaw.w3.org

Valid CSS information

```
#homepagebody {
  position : relative;
  background-image : url("IMG-20201111-WA0002.jpg");
  background-repeat : no-repeat;
  width : 90%;
  margin : auto;
  background-size : cover;
  background-position : center;
  overflow : auto;
}

body {
  position : relative;
  width : 90%;
  margin : auto;
  background : linear-gradient(to bottom, #33ccff 0%, #000000 100%);
  background-attachment : fixed;
  background-position : center;
  overflow : auto;
}

h1 {
  margin-top : auto;
  font-size : 3vw;
  padding : 1%;
  text-align : center;
  color : navy;
  margin : auto;
  width : 90%;
}

h2 {
  font-size : 1.8vw;
  padding : 1%;
  text-align : center;
  color : white;
  margin : auto;
  width : 90%;
}

#p2 {
  float : right;
  width : 33%;
  padding : 2%;
  color : white;
  margin-top : 4%;
  margin-right : 4%;
  font-weight : 900;
  font-size : 1.5vw;
}

#p3 {
  float : left;
  width : 33%;
  padding : 2%;
  color : white;
  margin-top : 4%;
  margin-left : 4%;
  font-weight : 900;
  font-size : 1.5vw;
}

#design-h1 {
  margin-top : 1%;
  font-size : 2.8vw;
  text-align : center;
  color : navy;
}

#design-h2 {
  font-size : 1.3vw;
  text-align : center;
  color : white;
  margin-top : 1%;
  margin-left : 5%;
  margin-right : 5%;
}

#design-p1 {
  margin-top : 1%;
  margin-left : 5%;
  width : 90%;
  font-size : 1.3vw;
  color : white;
  font-weight : 900;
}

#design-p2 {
  color : white;
}

#design-p2 {
  color : white;
  margin-top : 1%;
  margin-left : 5%;
  font-size : 1.3vw;
  font-weight : 900;
  width : auto;
  border : #C0C0C0 solid 15px;
  padding : 1%;
  margin : 1%;
}

#design-p3 {
  color : white;
  margin-top : 1%;
  margin-left : 5%;
  font-size : 1.3vw;
  font-weight : 900;
  width : auto;
  border : #C0C0C0 solid 15px;
  padding : 1%;
  margin : 1%;
}

#homelinks {
  list-style-type : none;
  overflow : hidden;
  font-size : 1.4vw;
  font-weight : 900;
  animation-name : homelinks;
  animation-duration : 4s;
}

@keyframes homelinks {
  50% {
    background-color : #C0C0C0;
  }
}

#design-page, #information-page {
  margin-top : 1%;
  float : left;
  color : white;
  text-align : center;
  padding : 1.5% 2%;
  text-decoration : none;
  border-right : 4px solid #bbb;
}
```

Desktop 30 15:18 30/12/2020

W3C CSS Validator results for m... x W3 The W3C Markup Validation Ser... x +

← → ↻ jigsaw.w3.org

```
#p2 {
  float : right;
  width : 33%;
  padding : 2%;
  color : white;
  margin-top : 4%;
  margin-right : 4%;
  font-weight : 900;
  font-size : 1.5vw;
}

#p3 {
  float : left;
  width : 33%;
  padding : 2%;
  color : white;
  margin-top : 4%;
  margin-left : 4%;
  font-weight : 900;
  font-size : 1.5vw;
}

#design-h1 {
  margin-top : 1%;
  font-size : 2.8vw;
  text-align : center;
  color : navy;
}

#design-h2 {
  font-size : 1.3vw;
  text-align : center;
  color : white;
  margin-top : 1%;
  margin-left : 5%;
  margin-right : 5%;
}

#design-p1 {
  margin-top : 1%;
  margin-left : 5%;
  width : 90%;
  font-size : 1.3vw;
  color : white;
  font-weight : 900;
}

#design-p2 {
  color : white;
}

#design-p2 {
  color : white;
  margin-top : 1%;
  margin-left : 5%;
  font-size : 1.3vw;
  font-weight : 900;
  width : auto;
  border : #C0C0C0 solid 15px;
  padding : 1%;
  margin : 1%;
}

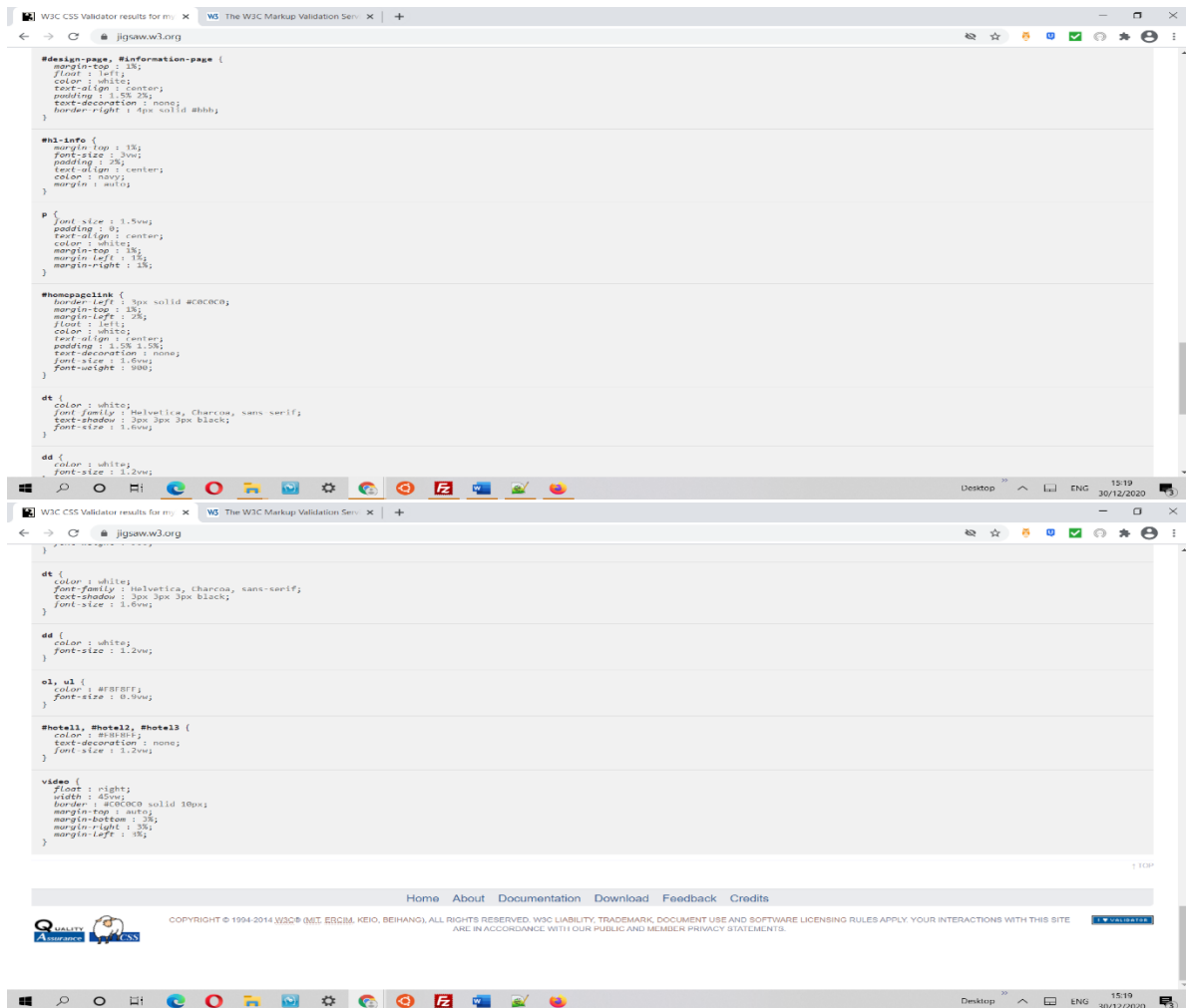
#design-p3 {
  color : white;
  margin-top : 1%;
  margin-left : 5%;
  font-size : 1.3vw;
  font-weight : 900;
  width : auto;
  border : #C0C0C0 solid 15px;
  padding : 1%;
  margin : 1%;
}

#homelinks {
  list-style-type : none;
  overflow : hidden;
  font-size : 1.4vw;
  font-weight : 900;
  animation-name : homelinks;
  animation-duration : 4s;
}

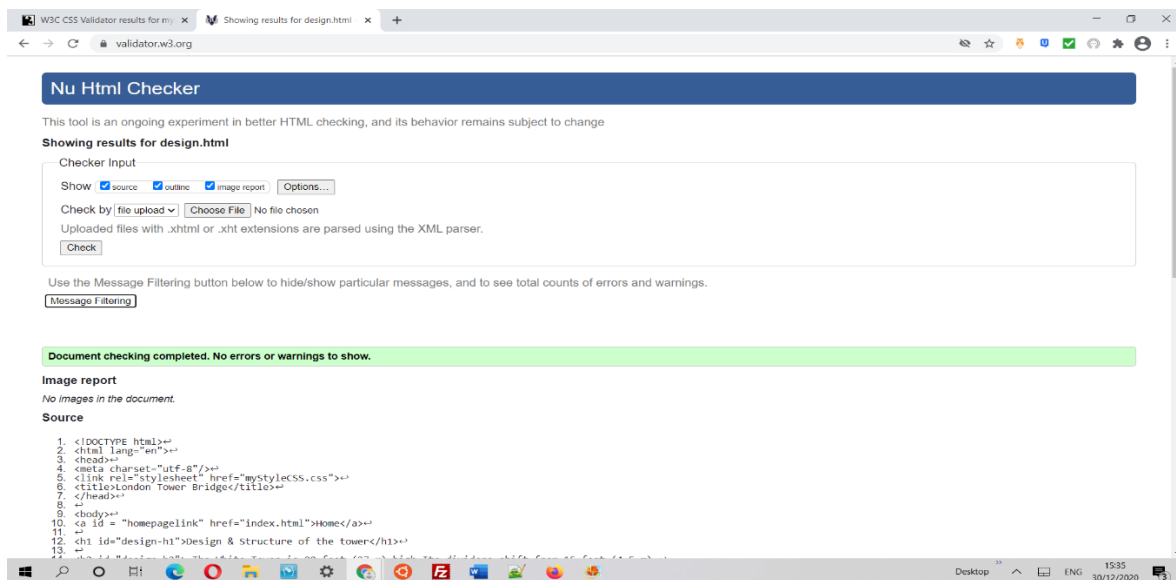
@keyframes homelinks {
  50% {
    background-color : #C0C0C0;
  }
}

#design-page, #information-page {
  margin-top : 1%;
  float : left;
  color : white;
  text-align : center;
  padding : 1.5% 2%;
  text-decoration : none;
  border-right : 4px solid #bbb;
}
```

Desktop 30 15:19 30/12/2020



HTML-Validation




```
W3C CSS Validator results for my... Showing results for design.html
13.
14. <h2 id="design-h2">The White Tower is 90 feet (27 m) high its dividers shift from 15 feet (4.5 m) to
15. thick at the base to just about 11 feet (3.3 m) in the upper parts.
16. Over the bulwarks rise four turrets: three of them are square.
17. however the one on the upper east is roundabout, to oblige a twisting flight of stairs.
18. This turret was quickly utilized as the main illustrious observatory in the rule of Charles II. </h2>
19.
20. <p id="design-p1">As the setting for key recorded occasions in European history:
21. The Tower has been the setting for probably the most groundbreaking occasions in European and British History.
22. Its function as a phase whereupon history has been established is one of the key components
23. which has contributed towards the Tower's status as a notable structure. Apparently,
24. the main structure of the Norman Conquest, the White Tower represented the might and life span of the new request.
25. The detentions in the Tower of Edward V and his more youthful sibling in the fifteenth century,
26. and afterward, in the sixteenth century, of four English sovereigns, three of them executed on Tower Green - Anne Boleyn,
27. Catherine Howard and Jane Gray - with just Elizabeth I getting away, molded English history.
28. The Tower additionally helped shape the narrative of the Reformation in England.
29. as both Catholic and Protestant detainees (those that endure) recorded their encounters and characterized-
30. the Tower as a position of torment and execution.
31.
32. <p id="design-p2">we can see how they used trademark adjusted curves particularly in the church.
33. Also, we can find it in the arcade, and the vaulted nave and walkways.
34. where separately barrel and crotch vaulting was utilized. The nave is flanked by two paths,
35. which are isolated by sections that structure an arcade which makes the wandering.
36. The sections of the arcade are inverse the pilasters along the external dividers of the passageways.
37. Above is an exhibition arcade which allows in more light into the space,
38. however isn't a clerestory as in it is over the rooftop.
39.
40.
41. <p id="design-p3">The characterizing component of this space is the plan of the sections' capitals.
42. While from the start the plan is uniform, further assessment shows that the capitals are very shifted.
43. Some are block-headed, some have volutes, and others are pad capitals.
44. However, what these capitals, spare three, share for all intents and purpose is the
45. "uncommon adornment of Tau crosses, or T-molded projections".
46. These crosses are suggestive of plans basic to Anglo-Norman engineering of this period.
47.
48.
49.
50.
51. </body>
52. </html>
```

Heading-level outline

<h2> Design & Structure of the tower

<h2> The White Tower is 90 feet (27 m) high its dividers shift from 15 feet (4.5 m) thick at the base to just about 11 feet (3.3 m) in the upper parts. Over the bulwarks rise four turrets: three of them are square, however the one on the upper east is roundabout, to oblige a twisting flight of stairs. This turret was quickly utilized as the main illustrious observatory in the rule of Charles II.

Structural outline

Design & Structure of the tower

The White Tower is 90 feet (27 m) high its dividers shift from 15 feet (4.5 m) thick at the base to just about 11 feet (3.3 m) in the upper parts. Over the bulwarks rise four turrets: three of them are square, however the one on the upper east is roundabout, to oblige a twisting flight of stairs. This turret was quickly utilized as the main illustrious observatory in the rule of Charles II.

```
W3C CSS Validator results for my... Showing results for index.html
13. </head>
14. <body id="homepagebody">
15.
16. <ul id="homelinks">
17.
18. <li><a id="design-page" href="design.html">Design</a></li>
19. <li><a id="information-page" href="information.html">Information</a></li>
20. </ul>
21.
22. <h1>London Tower Bridge</h1>
23.
24. <h2><span style="background-color:navy"> London Tower Bridge is one of the famous historical monuments in London,
25. located on the north bank of the <b>Thames River</b> in central London.<br>
26. Which starts construction in <strong><i>1886</i></strong> and
27. officially opened on<strong> <i>30</i></strong> of June 1894</strong> by the <b>Prince and Princess of Wales.</b>
28. </span></h2>
29.
30. <p id="p2"><span style="background-color:navy"> London Tower Bridge consider as one of the bridges, that are conten from suspended and mobile bridges at the same time.
31. The bridge is connected by two large towers, in the upper area of the two towers there are two horizontal lanes parallel to the bridge from the bottom of them, for walking and tourism.
32. </span></p>
33.
34. <p id="p3"><span style="background-color:navy"> Also, there is a walkway for tourists and locale to walk and enjoy watching the Tower Bridge from the bottom of the walkway.
35. In Addition there are two horizontal corridors parallel to the bridge in the upper area of the two towers for walking, tourism and enjoy to watch the views from above.
36. </span></p>
37.
38.
39. </body>
40. </html>
```

Heading-level outline

<h1> London Tower Bridge

<h2> London Tower Bridge is one of the famous historical monuments in London, located on the north bank of the Thames River in central London. Which starts construction in 1886 and officially opened on 30th of June 1894 by the Prince and Princess of Wales.

Structural outline

London Tower Bridge

London Tower Bridge is one of the famous historical monuments in London, located on the north bank of the Thames River in central London. Which starts construction in 1886 and officially opened on 30th of June 1894 by the Prince and Princess of Wales.

Used the HTML parser:
Total execution time: 11 milliseconds.

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```
W3C CSS Validator results for my... Showing results for index.html
13. </head>
14. <body id="homepagebody">
15.
16. <ul id="homelinks">
17.
18. <li><a id="design-page" href="design.html">Design</a></li>
19. <li><a id="information-page" href="information.html">Information</a></li>
20. </ul>
21.
22. <h1>London Tower Bridge</h1>
23.
24. <h2><span style="background-color:navy"> London Tower Bridge is one of the famous historical monuments in London,
25. located on the north bank of the <b>Thames River</b> in central London.<br>
26. Which starts construction in <strong><i>1886</i></strong> and
27. officially opened on<strong> <i>30</i></strong> of June 1894</strong> by the <b>Prince and Princess of Wales.</b>
28. </span></h2>
29.
30. <p id="p2"><span style="background-color:navy"> London Tower Bridge consider as one of the bridges, that are conten from suspended and mobile bridges at the same time.
31. The bridge is connected by two large towers, in the upper area of the two towers there are two horizontal lanes parallel to the bridge from the bottom of them, for walking and tourism.
32. </span></p>
33.
34. <p id="p3"><span style="background-color:navy"> Also, there is a walkway for tourists and locale to walk and enjoy watching the Tower Bridge from the bottom of the walkway.
35. In Addition there are two horizontal corridors parallel to the bridge in the upper area of the two towers for walking, tourism and enjoy to watch the views from above.
36. </span></p>
37.
38.
39. </body>
40. </html>
```

Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for index.html

Checker Input

Show ☒ source ☒ outline ☒ image report

Check by No file chosen

Uploaded files with .xhtml or .xht extensions are parsed using the XML parser.

Use the Message Filtering button below to display options for hiding/showing particular messages, and to see total counts of errors and warnings.

Document checking completed. No errors or warnings to show.

Image report

No images in the document.

Source

```
1. <!DOCTYPE html>
2. <html lang="en">
3. <head>
4.
5. <title>London Tower Bridge</title>
6. <meta name="description">
7. content="Page About the bridge of london" />
8. <meta name="robots">
9. content="nofollow" />
10. <meta charset="utf-8">
11. <link rel="stylesheet" href="myStyleCSS.css">
12.
13. </head>
```

W3C CSS Validator results for m... Showing results for information... +

← → ↻ validator.w3.org

Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for information.html

Checker Input

Show ☒ source ☒ outline ☒ image report

Check by No file chosen

Uploaded files with .xhtml or .xht extensions are parsed using the XML parser.

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

Document checking completed. No errors or warnings to show.

Image report

No images in the document.

Source

```
1. <!DOCTYPE html>+
2. <html lang="en">+
3. <head>+
4. <meta charset="utf-8"/>+
5. <link rel="stylesheet" href="myStyleCSS.css">+
6. <title>London Tower Bridge</title>+
7. </head>+
8. +
9. <body>+
10. <a id="homepageLink" href="index.html">Home</a>+
11. <h1 id="h1-info">Information About London Tower Bridge</h1>+
12. <p>London Tower Bridge is located in the <strong>center of London, Tower Bridge Rd, London, SE1 2UP</strong> and considered as one of transportation lines.</p>+
13. <p>Also, there is a walkway for tourists and locale to walk and enjoy watching the tower bridge from the bottom of the walkway.</p>+
14. <p>In addition there are two horizontal corridors parallel to the bridge in the upper area of the two towers for walking, tourism and enjoy to watch the views from above.</p>+
15. </body>+
16. </html>+
17. <source src="vid-20201112-wa00111.mp4" type="video/mp4">+
18. Your browser does not support the video tag.+
19. </video>+
20. +
21. <ul>+
22. <li>+
23. <dt><b>Address</b></dt>+
24. <dd><strong>Tower Bridge Rd, <br> London, <br> England<br> SE1 2UP</strong>+
25. </dd>+
26. </li>+
27. <li>+
28. <dt><b>Tickets & Prices</b></dt>+
29. <dd><strong> Adult £10.00</strong></dd>+
30. <dd><strong> Child £5.00</strong></dd>+
31. </dd>+
32. </li>+
33. <li><dt><b>Contact</b></dt>+
34. <dd><strong> Telephone: +44 (0)20 7493 3761</strong></dd>+
35. <dd><strong> Email enquiries@towerbridge.org.uk</strong></dd>+
36. </dd>+
37. </li>+
38. <li><dt><b>Nearest Hotel</b></dt>+
39. <dd></dd>+
40. </dd>+
41. </li>+
42. </ul>+
43. <ol type="I">+
44. <li><a id="hotel1" href="https://www.radissonhotels.com/en-us/hotels/park-plaza-westminster-bridge-london">+
45. <strong> Park Plaza Westminster Bridge London</strong></a></li>+
46. <li><a id="hotel2" href="https://www.leonardo-hotels.com/leonardo-royal-hotel-london-tower-bridge">+
47. <strong>Leonardo Royal London Tower Bridge</strong></a></li>+
48. <li><a id="hotel3" href="https://www.shangri-la.com/en/london/shangri-la">+
49. <strong>Shangri-La Hotel at The Shard, London</strong></a></li>+
50. </ol>+
51. </body>+
52. </html>
```

Heading-level outline

Information About London Tower Bridge

Structural outline

Information About London Tower Bridge

Used the HTML parser:
Total execution time 7 milliseconds.

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