



BridgeLabz

Employability Delivered

HTML, CSS & Javascript



Work with HTML and CSS

Install Live Server Extension in VSCode

- Launch a development local Server with live reload feature for static & dynamic pages



Live Server ritwickdey.liveserver

Ritwick Dey | ⚡ 8,103,360 | ★★★★★ | [Repository](#) | [License](#) | v5.6.1

Launch a development local Server with live reload feature for static & dynamic pages

[Disable](#) ▾ [Uninstall](#) This extension is enabled globally.

HTML in Nutshell



BridgeLabz is cool



At BridgeLabz, we're a techie community of

- technologists
- thinkers
- builders

Working together to keep the Tech Employability of Engineers alive and accessible, so Tech Companies worldwide can get contributors and creators for Technology Solutions. We believe this act of human collaboration across an employability platform is essential to individual growth and our collective future.

To Know about us, visit [BridgeLabz](#) to learn even more about our mission i.e. **Employability to all.**

```
...<!DOCTYPE html> == $0
<html>
  <head>
    <meta charset="utf-8">
    <!-- Favicons -->
    <link rel="shortcut icon" href="../assets/fav.png">
    <title>My test page</title>
  </head>
  <body>
    <h1>BridgeLabz is cool</h1>
    
    <p>At BridgeLabz, we're a techie community of</p>
    ▶<ul>...</ul>
    ▶<p>...</p>
    ▶<p>...</p>
    <!-- Code injected by live-server -->
    ▶<script type="text/javascript">...</script>
  </body>
</html>
```



[HTML Element Ref](#)

```

<!DOCTYPE html> <!-- Located at the top Signals the browser about HTML5 document -->
<!-- HTML Document is a well formed XML and hence is called DOM(Document Object Model) -->
<html lang="en"> <!-- Holds the Complete HTML Document using English Language. -->
  <head> <!-- Holds information about the page like title, metatags, keywords, css style, js file, etc -->
    <meta charset="utf-8"> <!-- Specifying the UTF-8 character encoding used by this document-->
    <link rel="shortcut icon" href="../assets/fav.png"> <!-- Favicon -->
    <title>My test page</title> <!-- This sets the title of your page that appears in the tab -->
  </head>
  <!-- HTML Body includes elements like text, images, videos, games, playable audio tracks, or whatever else. -->
  <body> <!-- This contains all the content that you want to show to web users on their visit -->
    <h1>BridgeLabz is cool</h1> <!-- Headings Tag can be from H1 ... H6 -->
     <!-- Image Tag, display width of 25% -->
    <p>At BridgeLabz, we're a techie community of</p> <!-- Paragraph Tag -->
    <ul> <!-- List Tag with Ordered List <ol> or Unordered List <ul> -->
      <li>technologists</li> <!-- List Item -->
      <li>thinkers</li>
      <li>builders</li>
    </ul>
    <p>Working together to keep the Tech Employability of Engineers alive and accessible,  

      so Tech Companies worldwide can get contributors and creators for Technology Solutions.  

      We believe this act of human collaboration across an employability platform is essential  

      to individual growth and our collective future.</p>
    <p>To Know about us, visit <a href="https://www.bridgelabz.com/">BridgeLabz</a> <!-- Anchor Tag -->  

      to learn even more about our mission i.e. <strong>Employability to all</strong>.</p> <!-- Bold String Tag -->
  </body>
</html>

```

HTML Decoded

Develop BridgeLabz HTML Page

BridgeLabz is cool



At BridgeLabz, we're a techie community of

- technologists
- thinkers
- builders

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```
<style>
  html {
    font-size: 14px;
    font-family: 'Open Sans', sans-serif;
  }

  html {
    background-color: #00539F;
  }

  body {
    width: 600px;
    margin: 0 auto;
    background-color: #FF9500;
    padding: 0 20px 20px 20px;
    border: 5px solid black;
  }

  h1 {
    font-size: 60px;
    text-align: center;
  }

  h1 {
    margin: 0;
    padding: 20px 0;
    color: #00539F;
    text-shadow: 3px 3px 1px black;
  }

  img {
    display: block;
    margin: 0 auto;
  }

  p, li {
    font-size: 16px;
    line-height: 2;
    letter-spacing: 1px;
  }
</style>
```

HTML

Ref: <http://www.bk-h.eu/nutshell.html>



<html> ... </html>

... forms the beginning and the end of every HTML document.

<head> ... </head>

Not visible in the browser; contains meta elements such as css styles.

<title> ... </title>

Is displayed in the tab; Title for bookmark.

<body> ... </body>

Start and end of the area visible in the browser.

<h1> ... </h1>

First category heading

<h2> ... </h2>

Second category heading - goes to h6.

<p> ... </p>

Defines a standard paragraph

 ...

fat

<i> ... </i>

italic

 ...

Hyperlink. Options: target = "_ blank" ...

Inserts an image. "alt" defines text that is displayed if the picture cannot be displayed; the size of the image can be adjusted with "width" and "height".

 ...

List: ul = unsorted ol = numbered list

 ...

List items

Inserts a line break.

<div> ... </div>

Defines a container

 ...

... defines a "mark".

<h1 class = "myh1"> ... </h1>

Inline style: Inserts a class previously defined in the head (see CSS).

CSS

Ref: <http://www.bk-h.eu/nutshell.html>

```
<p style = "color: red; font-size: 1.2em "> ... </p>
```

Defines a style for this one element only

font-size: 1.2em

Font size in em, px or%

```
p {color: red; font-size: 1.2em}
```

text-align: center

Text alignment

Style definition in the head. Valid for **all elements of** this type in the document

```
<link rel = "stylesheet" href = "stylesheet.css">
```

Link to an external stylesheet (in the head). Valid for all documents containing this link.

```
.myh1 {color: red; text-align: center;}
```

Defines its own class (in the head or external stylesheet). Can be assigned to elements in the document using class = "".

color: red

Font color

font-family: verdana

font

background-color: red

Background color

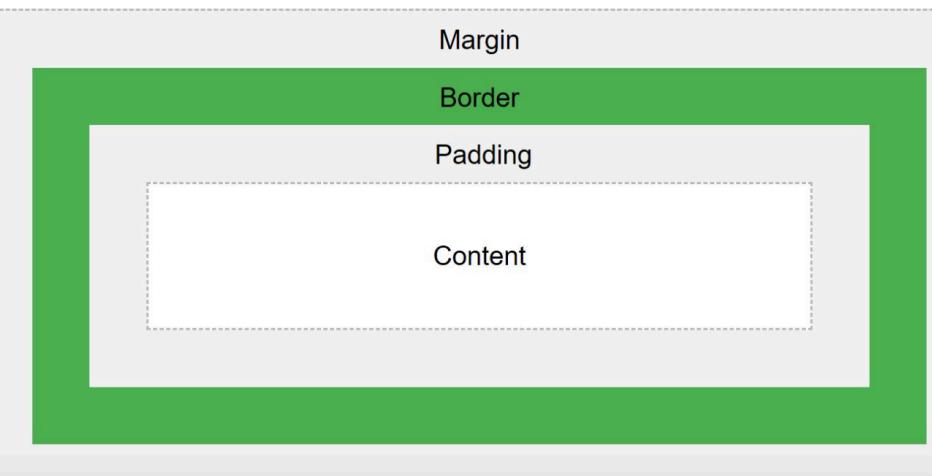
margin :; border :; padding:

Margin

Border

Padding

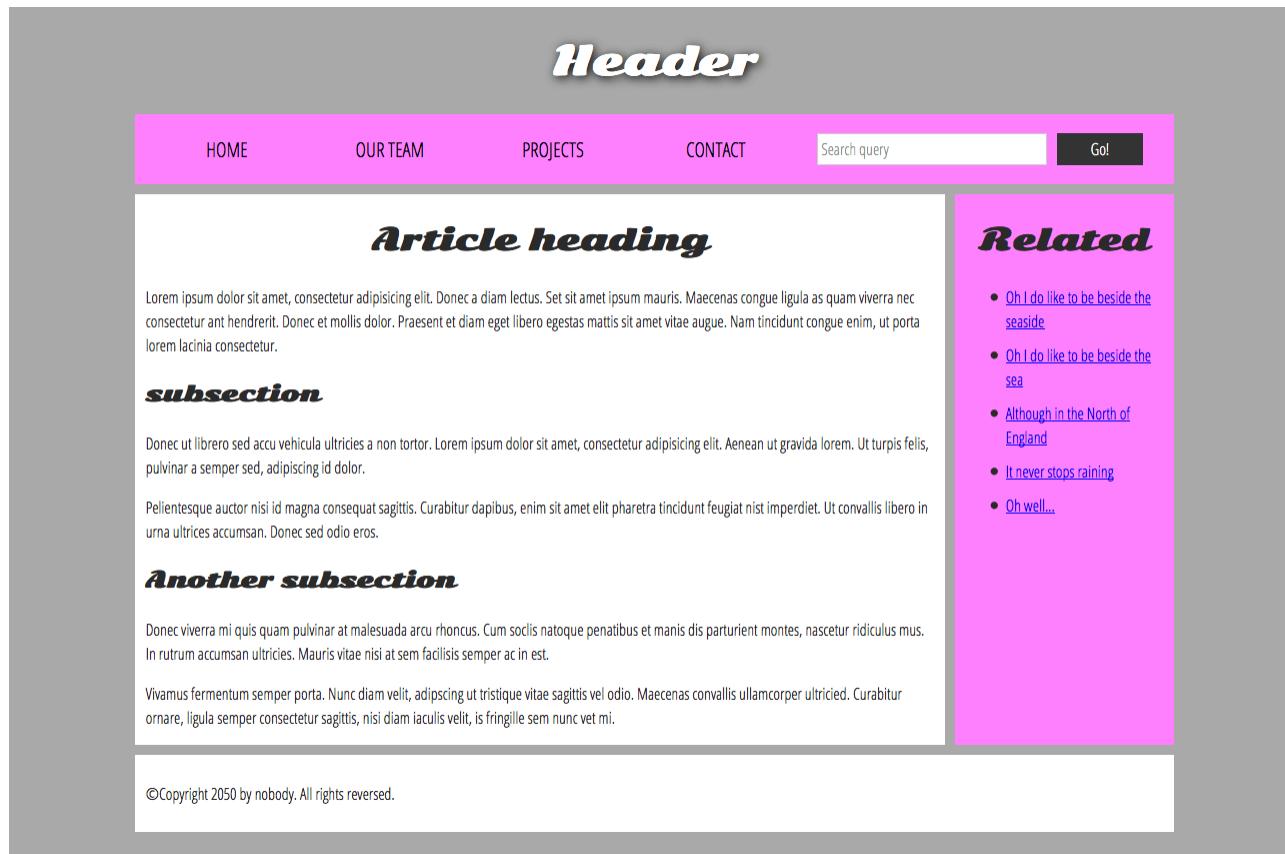
Content





Work with Web Page Structure & Flexbox

HTML Document and webpage structure



The screenshot shows a webpage layout with the following structure:

- Header:** Contains the word "Header" in a large, bold, italicized font.
- Navigation Bar:** A pink bar at the top with menu items: HOME, OUR TEAM, PROJECTS, and CONTACT. It also includes a search bar with placeholder "Search query" and a "Go!" button.
- Main Content Area:** The main content area contains:
 - Article heading:** "Article heading".
 - Text:** "Lorem ipsum dolor sit amet, consectetur adipisicing elit. Donec a diam lectus. Set sit amet ipsum mauris. Maecenas congue ligula as quam viverra nec consectetur ant hendrerit. Donec et mollis dolor. Praesent et diam eget libero egestas mattis sit amet vitae augue. Nam tincidunt congue enim, ut porta lorem lacinia consectetur."
 - Section:** "subsection".
 - Text:** "Donec ut libero sed accu vehicula ultricies a non tortor. Lorem ipsum dolor sit amet, consectetur adipisicing elit. Aenean ut gravida lorem. Ut turpis felis, pulvinar a semper sed, adipiscing id dolor."
 - Text:** "Pellentesque auctor nisi id magna consequat sagittis. Curabitur dapibus, enim sit amet elit pharetra tincidunt feugiat nist imperdier. Ut convallis libero in urna ultrices accumsan. Donec sed odio eros."
 - Section:** "Another subsection".
 - Text:** "Donec viverra mi quis quam pulvinar at malesuada arcu rhoncus. Cum sociis natoque penatibus et manis dis parturient montes, nascetur ridiculus mus. In rutrum accumsan ultricies. Mauris vitae nisi at sem facilisis semper ac in est."
 - Text:** "Vivamus fermentum semper porta. Nunc diam velit, adipscing ut tristique vitae sagittis vel odio. Maecenas convallis ullamcorper ultriced. Curabitur ornare, ligula semper consectetur sagittis, nisi diam iaculis velit, is fringille sem nunc vel mi."
- Sidebar:** A pink sidebar on the right side with the title "Related" and a list of links:
 - [Oh I do like to be beside the seaside](#)
 - [Oh I do like to be beside the sea](#)
 - [Although in the North of England](#)
 - [It never stops raining](#)
 - [Oh well...](#)
- Footer:** A white footer bar at the bottom with the text "©Copyright 2050 by nobody. All rights reversed."

- **header:** Contains heading, logo, and perhaps a tagline
- **navigation bar:** Contains menu buttons, links, or tabs
- **main content:** Occupies large part of center area and contains the main content of a given webpage
- **sidebar:** Typically in LHS or RHS of the page and contains some peripheral info, links, quotes, ads, etc.
- **footer:** Occupies bottom of the page and contains fine print, copyright notices

Sample Flexbox HTML and CSS



HEADER - Sample Flexbox Example

Left Side Bar

Right Side Bar

First article

Tacos actually microdosing, pour-over semiotics banjo chicharrones retro fanny pack portland everyday carry vinyl typewriter. Tacos PBR&B pork belly, everyday carry ennui pickled sriracha normcore hashtag polaroid single-origin coffee cold-pressed. PBR&B tattooed trust fund twee, leggings salvia iPhone photo booth health goth gastropub hammock.

Second article

Tacos actually microdosing, pour-over semiotics banjo chicharrones retro fanny pack portland everyday carry vinyl typewriter. Tacos PBR&B pork belly, everyday carry ennui pickled sriracha normcore hashtag polaroid single-origin coffee cold-pressed. PBR&B tattooed trust fund twee, leggings salvia iPhone photo booth health goth gastropub hammock.

Third article

Tacos actually microdosing, pour-over semiotics banjo chicharrones retro fanny pack portland everyday carry vinyl typewriter. Tacos PBR&B pork belly, everyday carry ennui pickled sriracha normcore hashtag polaroid single-origin coffee cold-pressed. PBR&B tattooed trust fund twee, leggings salvia iPhone photo booth health goth gastropub hammock.

Cray food truck brunch, XOXO +1 keffiyeh pickled chambray waistcoat ennui. Organic small batch paleo 8-bit. Intelligentsia umami wayfarers pickled, asymmetrical kombucha letterpress kitsch leggings cold-pressed squid chartreuse put a bird on it. Listicle pickled man bun cornhole heirloom art party.

Footer

Sample Flexbox HTML and CSS

```
...<!DOCTYPE html> == $0
<html lang="en">
  ><head>...</head>
  ><body>
    ><header class="headerContainer">...</header>
    ><div class="mainContainer">
      ><section class="mainContentItem">
        ><article>
          ><h2>First article</h2>
          ><p>...</p>
        </article>
        ><article>
          ><h2>Second article</h2>
          ><p>...</p>
        </article>
        ><article>
          ><h2>Third article</h2>
          ><p>...</p>
          ><p>...</p>
        </article>
      </section>
      ><sidebar class="sideBarItem sideBarLeftItem">...</sidebar>
      ><sidebar class="sideBarItem sideBarRightItem">...</sidebar>
    </div>
    <footer class="footerContainer">Footer</footer>
    <!-- Code injected by live-server -->
    ><script type="text/javascript">...</script>
  </body>
</html>
```

```
<style>
  body { padding: 2em; }

  .headerContainer {
    display: flex;
    flex-flow: column wrap;
    align-content: center;
    background: #tomato;
    font-weight: bold;
    padding: 10px;
  }

  .footerContainer {
    display: flex;
    flex-flow: column wrap;
    align-content: center;
    background: #lightgreen;
    font-weight: bold;
    padding: 10px;
  }

  .mainContainer {
    display: flex;
    flex-flow: row wrap;
    font-weight: bold;
    text-align: center;
  }

  .mainContentItem {
    text-align: left;
    background: #deepskyblue;
  }

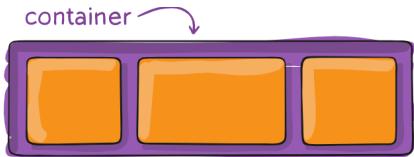
  article {
    padding: 10px;
    margin: 10px;
    background: #aqua;
  }

  .sideBarLeftItem { background: #gold; }
  .sideBarRightItem { background: #hotpink; }

  .sideBarItem { flex: 1 0 0; border: 0px solid #green; }
  .mainContentItem { flex: 3 0px; }
  .sideBarLeftItem { order: 1; }
  .mainContentItem { order: 2; }
  .sideBarRightItem { order: 3; }
</style>
```

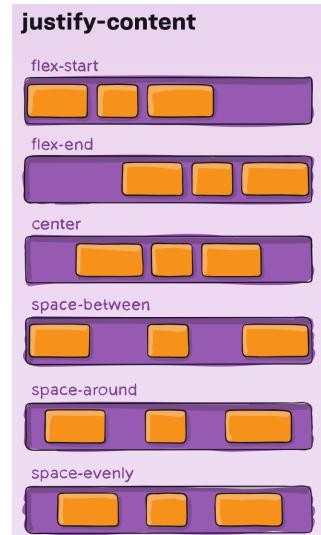
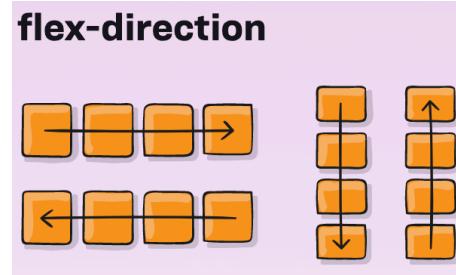
Flexbox

<https://css-tricks.com/snippets/css/a-guide-to-flexbox/>

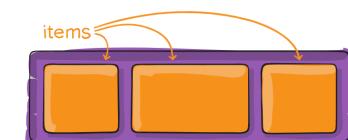
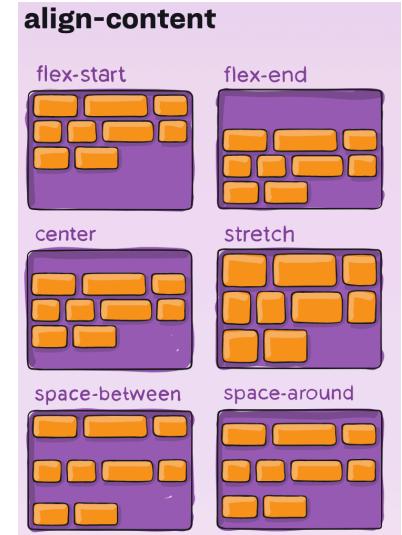
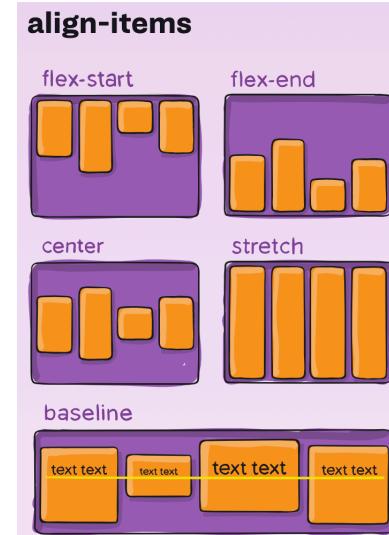


Properties for the Parent (flex container)

```
.container {  
  display: flex; /* or inline-flex */  
}
```

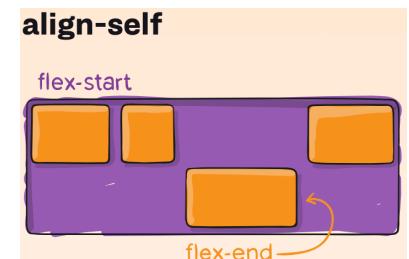


```
.container {  
  flex-wrap: nowrap | wrap | wrap-reverse;  
}  
  
.container {  
  flex-flow: column wrap;  
}
```



Properties for the Children (flex items)

```
.item {  
  order: 4; /* default 0 */  
  flex-grow: 4; /* default 0 */  
  flex-shrink: 3; /* default 1 */  
  flex-basis: auto; /* default auto */  
  flex: none | [<'flex-grow'> <'flex-shrink'>? || <'flex-basis'>]  
}
```



References

- [HTML Basics](#)
- [CSS Basics](#)
- [HTML / CSS in a nutshell](#)
- [HTML Element Ref](#)
- [Design webpage structure](#)
- [Flex Box](#)
- [A Guide to Flex Box](#)
- [Flex Layout Example](#)
- [Flex Live Demos](#)
- [Flex Try it out](#)
- [HTML-CSS-JS Try it out](#)
- [Open in Mobile HTML Form](#)
- [HTML Form Fields](#)
- [HTML 5 Input Fields](#)



BridgeLabz

Employability Delivered

Thank
You