



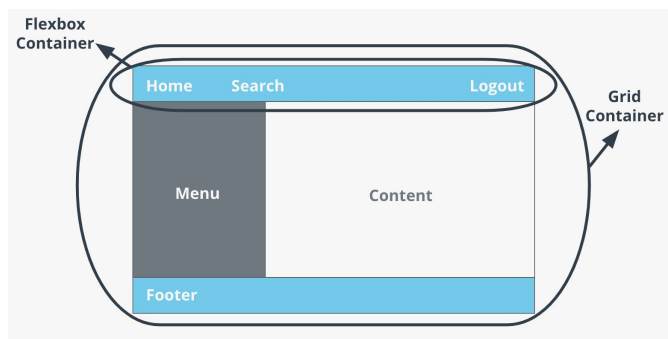
FRONT-END WEB DEVELOPMENT:

Website Layouts, Website Components, and CSS

STANDARD HTML TEMPLATE

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8" />
    <title>Template Title!</title>
    <meta name="description" content="Example" />
  </head>
  <body>
    <p>Hello World!</p>
  </body>
</html>
```

WHAT IS RESPONSIVE DESIGN?



Responsive design is a set of best practices that allows your webpage to be fluid and change its appearance and layout depending on the device and screen width. We can achieve this with CSS Grid, Flexbox, and media queries.

CSS GRID

display

creates a block-level/inline-level grid container

grid-template-rows, grid-template-columns

defines space between grid lines

grid-area

gives item a name + can be referenced by template created by grid-template-areas

grid-template-areas

defines a grid template by referencing the names of the grid area

FLEXBOX

display

creates a block-level/inline-level flex container

flex-direction

establishes main axis and defines flex direction

align-items

defines alignment along cross axis

justify-content

defines alignment along main axis

MEDIA QUERIES

@media(max-width: 320px)

@media(min-width: 901px)

@media(min-width: 600px) and (max-width: 900px)

REFERENCES

- Udacity's Front-End Nanodegree [style guide](#)
- Example of [CSS Grid](#) and [Flexbox](#) properties
- Media query [documentation](#)
- Responsive design [documentation](#)