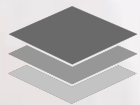




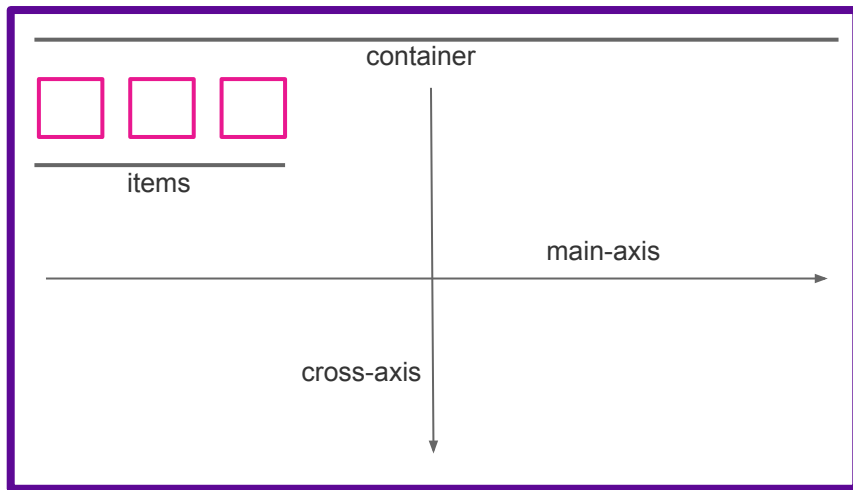
UI Engineering Studio. Day 5



Bootcamp: Responsive Design

Review

Flexbox




display: **flex**
flex-direction
justify-content
align-items
align-content
flex-wrap

UI Boot Camp: Responsive Design

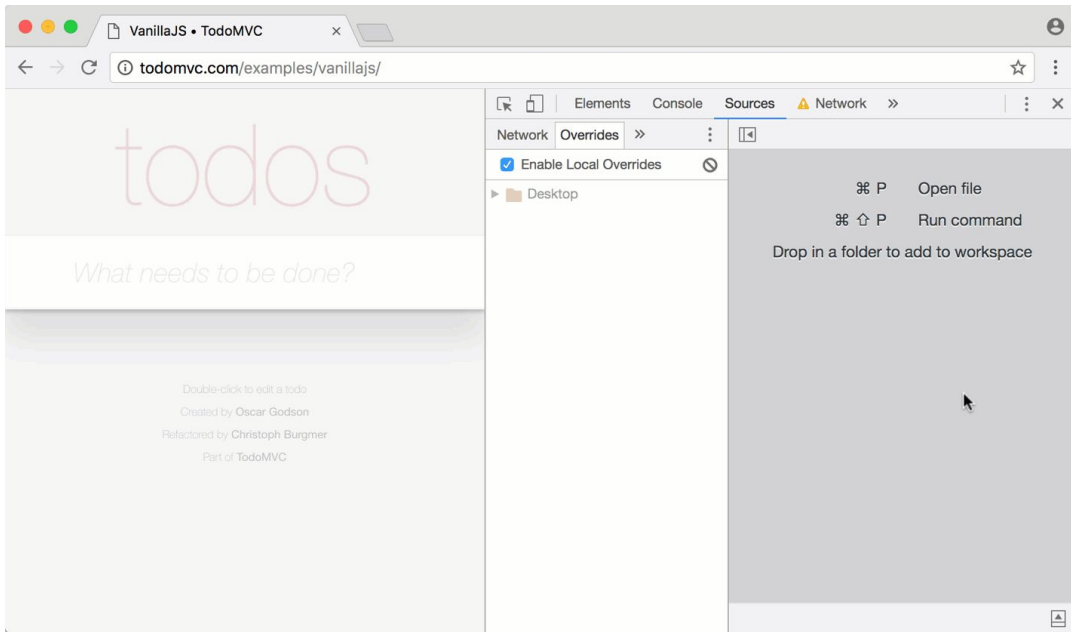
Chrome Dev Tools

Features

- 
- DOM inspector
 - Styles panel
 - JavaScript Console
 - Responsive Mode

UI Boot Camp: Responsive Design

Chrome Dev Tools



UI Boot Camp: Responsive Design

Chrome Dev Tools

Basic Tabs

- The **Elements** tab (HTML tree)
- **Console** Tab (Log file and an open playground)
- **Sources** Tab (Resources loaded)
- **Network** Tab (Monitors all HTTP requests)
- **Memory** Tab (Find memory issues)
- **Performance** Tab (Record and analyze runtime performance)
- **Application** Tab (Manage and inspect storage, databases, caches)
- **Security** Tab (Check if page is secure or not and inspect the origins)

UI Boot Camp: Responsive Design

Responsive o RWD

Responsive web design is made up from 3 basic ingredients.

1. **Flexible Grid based layout** (Use relative sizes rather than absolute ones)

Use: % instead px

2. **Flexible Images and Media** (Scale to fit their container)

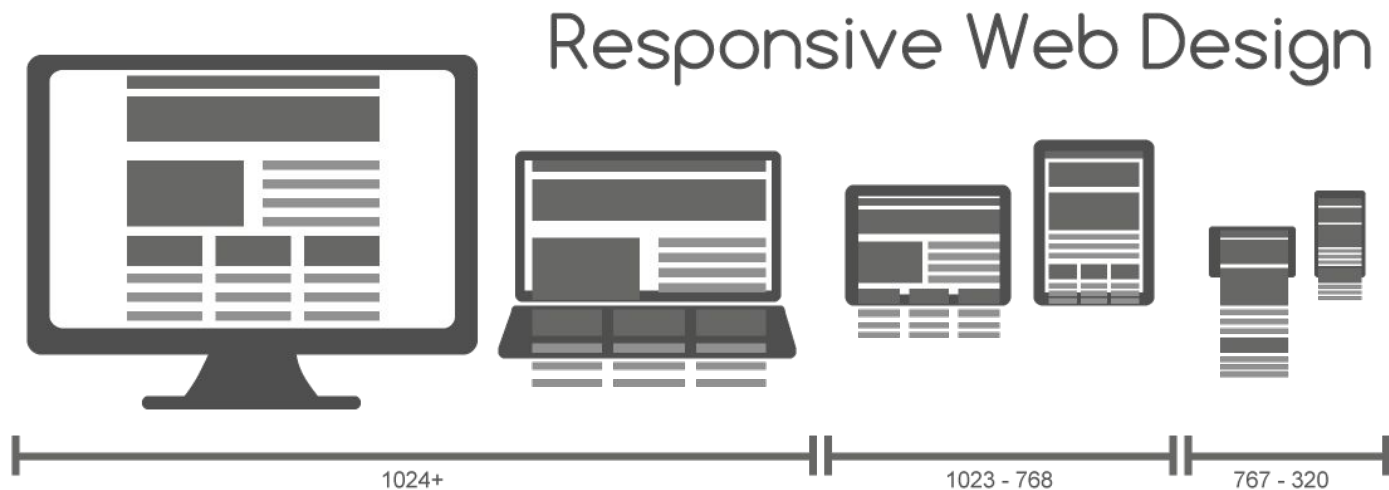
img { max-width: 100%;}

3. **Media Queries**

@media screen and (min-width: 480px) { /* ..larger screen sizes here.. */ }

UI Boot Camp: Responsive Design

Responsive o RWD



UI Boot Camp: Responsive Design

Responsive o RWD

Media Query

The `@media` rule is used in media queries to apply different styles for different media types/devices.

Media queries can be used to check many things, such as:

- width and height of the viewport
- width and height of the device
- orientation (landscape or portrait)
- resolution

Guide: https://developer.mozilla.org/en-US/docs/Web/CSS/Media_Queries/Using_media_queries

UI Boot Camp: Responsive Design

Responsive o RWD

Media Query

```
@media screen and (min-width: 480px) and (max-width: 768px)
{
  body
  {
    color: #444;
  }
  p
  {
    padding: 0.5rem;
  }
}
```

The diagram illustrates a CSS media query with the following structure and annotations:

- Condition:** "This is a media query" points to the `@media` keyword.
- Condition:** Points to the `screen` keyword.
- Condition:** Points to the `and (min-width: 480px) and (max-width: 768px)` clause.
- Selector:** Points to the `body` selector.
- Property:** Points to the `color` property.
- Value:** Points to the `#444` value.
- Selector:** Points to the `p` selector.
- Property:** Points to the `padding` property.
- Value:** Points to the `0.5rem` value.

UI Boot Camp: Responsive Design

Responsive o RWD

Viewport

The viewport is the user's visible area of a web page.

The viewport varies with the device, and will be smaller on a mobile phone than on a computer screen.

When we started surfing the internet using tablets and mobile phones, fixed size web pages were too large to fit the viewport. To fix this, browsers on those devices scaled down the entire web page to fit the screen.

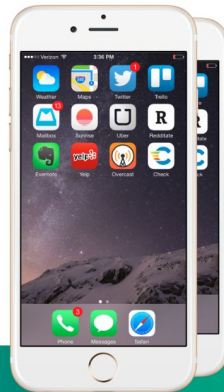
How? `<meta name="viewport" content="width=device-width, initial-scale=1.0">`

UI Boot Camp: Responsive Design

In session Work: Skeleton landing

Stop coding non-responsive sites.
Let users view sites from anywhere.

TRY SKELETON



67%

Purchase Increase

Percentage of users more likely to purchase on mobile friendly site.

90%

Multi-device Users

Most of the world accesses the internet on multiple devices.

66%

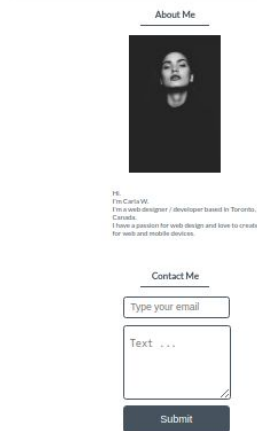
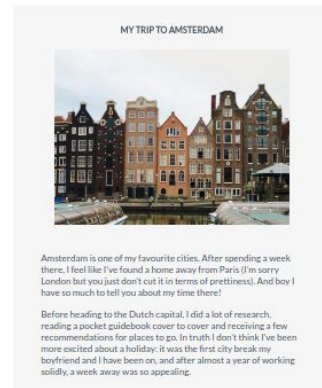
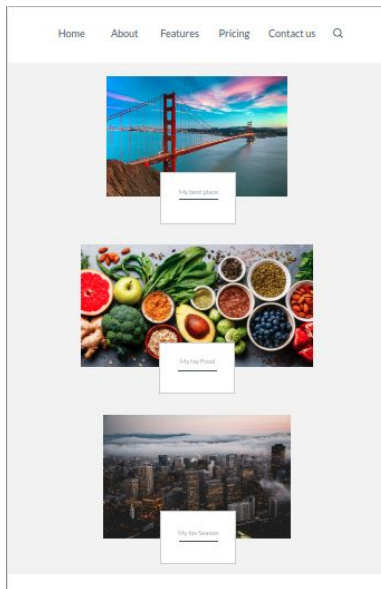
Sad Users

Percentage of users that are frustrated with page load times.

<http://getskeleton.com/examples/landing/>

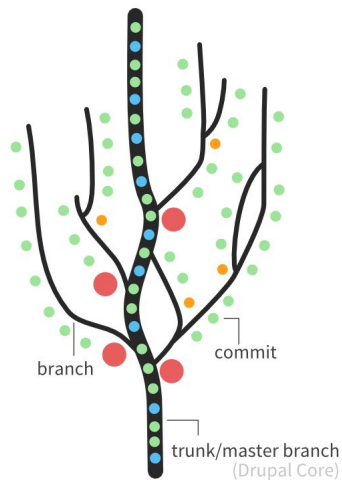
UI Boot Camp: Responsive Design

Homework: Blog



UI Boot Camp: Responsive Design

Homework: Learn about Git



<https://learngitbranching.js.org/>

