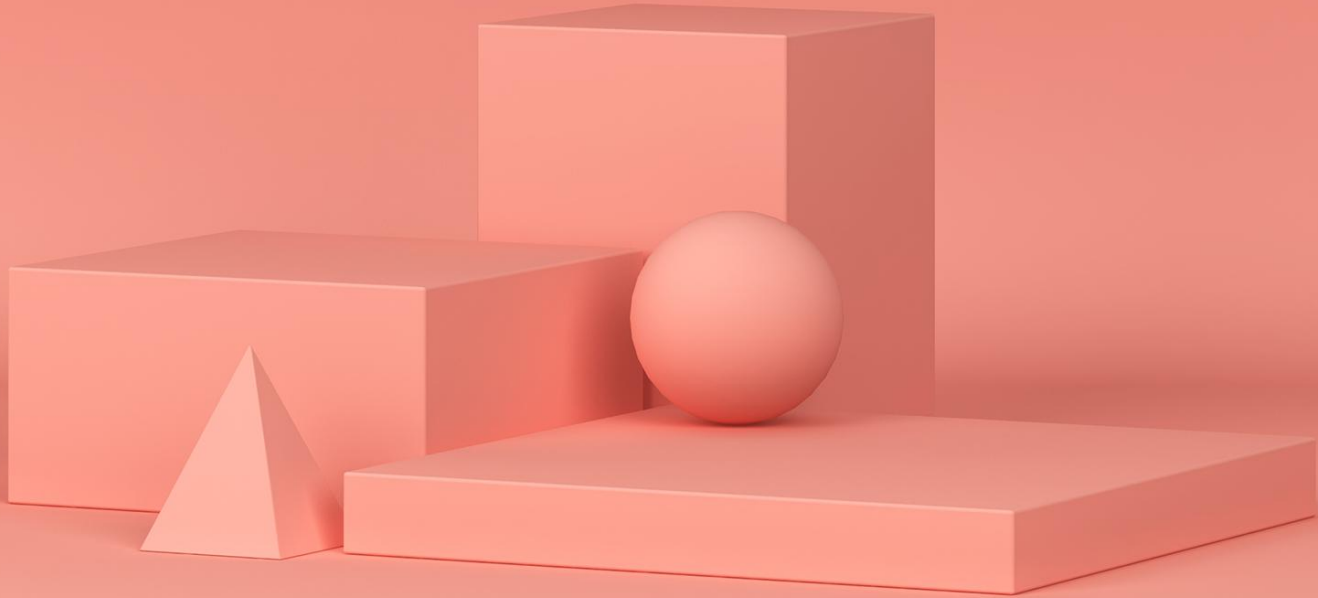


FRONT END Development

Introduction to FE





Introduction to **FE**

- Client-side development
- Practice of producing HTML, CSS and JS for a website or a web app
- Cross-browser
- Multi device and platforms
- Amazing for both presentational tools and logic implementations
- About building UX (User Experience) through UI (User Interface)

Introduction to **FE**: premise

- What we learn now is the foundation of everything else
- There are ready to use templates (free or at cost)
- And there are frameworks that let the dev do even more than this
- But these are part of the main bricks of it all



Introduction to **HTML**

- Hypertext Markup Language
- It describes the structure of a web page with dedicated building blocks (HTML elements - TAGS, ATTRIBUTES)
- Tools for connecting pages, sections, elements
- Creates content to be served across the web
- Allows the creation of usable, accessible content no matter the technology and ability impairments



HTML: the most basic example

```
1  <!DOCTYPE html>
2  √ <html>
3      <!-- This might be a very useful comment someday. -->
4  √   <head>
5       |   <title>Page title - Hello, World!</title>
6       | </head>
7  √   <body>
8       |   <h1>Hello, world!</h1>
9       |   <p>How you doin'?</p>
10      |   
11      | </body>
12  </html>
```

HTML: good practices

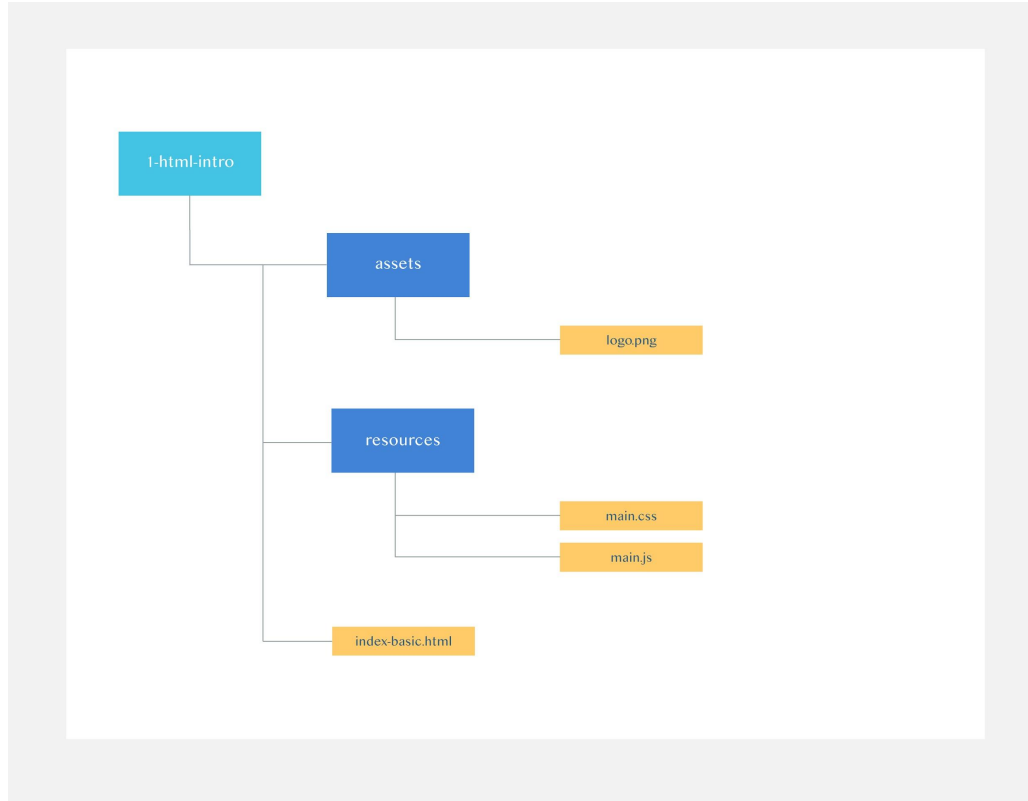
- Naming: index.html
- Indentation and white space (please!)
- Use pertinent comments
- Keep an organized repository structure
- Advice: use google engine widely



HTML: well-formed markup

- `<!DOCTYPE>` declaration
 - Must be the very first thing in the HTML doc
 - It's not an HTML tag, but an instruction for the browser about the upcoming HTML doc
 - Always use it and use it before the `<html>` tag (get used to writing good code!)
- Main elements: `<html>`, `<head>`, `<body>`
- Tags: `<h1>`, `<p>`, ``
- Attributes: `alt`, `src`

HTML: repository structure



Tags: types

- Self-enclosing: ``
- Start/End closing tag: `<html></html>`, `<body></body>`, `<p></p>`

HTML: <meta> tags and translate attribute

- Provide metadata about the HTML doc
- Their main purpose is not to be displayed, but to be parsed and used accordingly by browsers (or other web services)
- They always go inside <head> element (get used to writing good code!)
- Passed as name/value pairs (with a couple of exceptions)
- They have no end tag (self enclosing)
- **translate** attribute: specifies if elements should be translated (not supported yet by the browsers)

HTML: <meta> tags - types

```
1  <!DOCTYPE html>
2  <html>
3    <head>
4      <title>Page title - Hello, World!</title>
5      <!-- Specifies the character encoding for the HTML doc. UTF-8 covers a great range of characters and symbols -->
6      <meta charset="UTF-8">
7      <!-- Define a description for the web page -->
8      <meta name="description" content="Front end development course">
9      <!-- Define keywords for search engine to process -->
10     <meta name="keywords" content="HTML,CSS,Learning">
11     <!-- Define the author of the page -->
12     <meta name="author" content="Roxana Popescu">
13     <!-- Setting the viewport to consider the users' visible area of the page.
14     | The initial-scale=1.0 sets the initial zoom level when the page is first loaded by the browser.
15     -->
16     <meta name="viewport" content="width=device-width, initial-scale=1.0">
17     <!-- Refresh the document every 30sec -->
18     <meta http-equiv="refresh" content="30">
19   </head>
20   <body>
21     <p translate="no">I don't want to be translated.</p>
22     <p>I don't have a problem in being translated.</p>
23   </body>
24 </html>
25
```


◁head▷: children nodes

- <title></title>
- <meta>
- <style></style>
- <link>
- <script></script>

Learn to be smart

- Use google engine widely
- Abuse dev tools

Resources

- MDN Web docs: <https://developer.mozilla.org/en-US/>
- W3C (World Wide Web Consortium): <https://www.w3.org/>
- W3Schools: <https://www.w3schools.com/>
- HTML Encoding (Character Set): https://www.w3schools.com/html/html_charset.asp
- Please don't take for granted everything you read on stackoverflow (read, learn, try, repeat)

Thank you for attending:

Front End Development:
Introduction to FE

