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# Introduction about course

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# Agenda

- Introduction about the Front-end Web Development
- Front end Web Development Technologies
- Course Agenda
- Q&A

# Introduction about Front end Web Development

- What does a Web Developer actually do?
  - They build and maintenance websites
- “Front end” vs “Back end” Developers
- Web developers vs Web Designers
- Web Sites vs Web Applications

# “Front end” vs “Back end” Developers

- Front end developers:
  - Refer to the stuff that you actually see on the website in the browser.
  - Often focus heavily on understanding HTML, CSS, and Javascript since these languages live in the browser.
  - Making sure that the information is presented effectively and the user's interaction with the web page is as smooth as possible.
- Back end developers:
  - Refer to the guts of the application which live on the server.
  - Focus on making sure all the right data gets sent out to the browser.
- Full stack developers:
  - Marry the two sides into one.
  - Can comfortably speak both database and browser

# Web Developers vs Web Designers

- Web Developers:
  - Makes the website actually look pretty.
  - Apply the work of designers to the webpage by translating their well-designed layouts into real code.
  - Stand between the designer on one end and the back end developer on the other.
  - Translating the design into code and plugging the data from the back end developer into the right spots.
- Web Designers: pulls together the images and logos and color schemes.
- These days even designers are expected to roll up their sleeves and code a bit. Some of the best web developers come from design backgrounds.

# Web Sites vs Web Applications

- Web Sites: are more about displaying static (unchanging) content.
- Web Applications: require a "smart" server running code to produce dynamic content.

# Front end Web Development Technologies

HTML/HTML5

CSS/CSS3

Javascript

JSON

Browsers

MVC Frameworks

DOM

Animation

CSS Preprocessors

CSS Grids

HTTP

AJAX/XHR

Responsive

Sprites

Polyfills

Minification

Jquery

CDNs

# Course Agenda

Introductions

HTML & CSS

HTTP Interaction with Server

Javascript in Browser

Learning & Problem Solving

Javascript

Browser

Libraries & Tools

Performance





# Q&A



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**Thanks for your listening!**

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