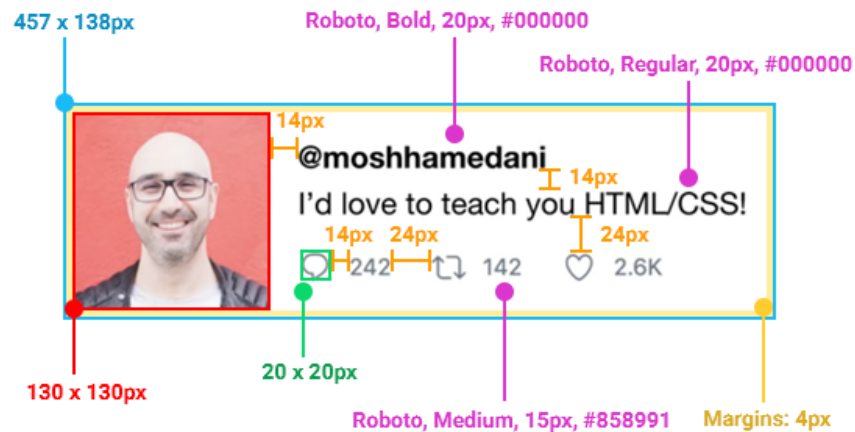


## HTML CSS Javascript

1. Day 1 Run through the HTML CSS crash course - we will use Zoom sessions -
  - a. Setup VS Code for HTML5, CSS, JS development -  
[https://www.youtube.com/watch?v=xn7-Wx1tD\\_4](https://www.youtube.com/watch?v=xn7-Wx1tD_4)
  - b. <https://www.youtube.com/watch?v=qz0aGYrrlhU> - 1 hr
  - c. <https://scrimba.com/learn/htmlcss> - 4hr

**Task** - create the following component using HTML and CSS



2. Day 2 some more HTML CSS course total duration 4 hours

a. [Introduction to organising CSS](#)

- i. <https://medium.com/wolox/8-tips-to-keep-css-organized-1c7e0bcaa905>

CSS - font property have a closer look at it

- ii. [https://www.w3schools.com/cssref/pr\\_font\\_font.asp](https://www.w3schools.com/cssref/pr_font_font.asp)  
iii. [https://www.w3schools.com/cssref/pr\\_font\\_font-style.asp](https://www.w3schools.com/cssref/pr_font_font-style.asp)  
iv. [https://www.w3schools.com/cssref/pr\\_font\\_font-variant.asp](https://www.w3schools.com/cssref/pr_font_font-variant.asp)  
v. [https://www.w3schools.com/cssref/pr\\_font\\_weight.asp](https://www.w3schools.com/cssref/pr_font_weight.asp)

b. [Introduction to Webfont](#) - <https://www.youtube.com/watch?v=G0cOQ79WKZE>

**Task** Create the following page using the details given in the following document

[https://docs.google.com/document/d/130dWgV2pSjUllplzrIKPw8r9U\\_3Qm0-D/edit](https://docs.google.com/document/d/130dWgV2pSjUllplzrIKPw8r9U_3Qm0-D/edit)

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3. Days 3 and 4

- <https://docs.github.com/en/github/getting-started-with-github/quickstart/create-a-repo> on GitHub
- Learn CSS Grid <https://scrimba.com/learn/cssgrid>
- Learn FlexBox <https://scrimba.com/learn/flexbox>
- Introduction to <https://scrimba.com/learn/bootstrap4>

**Task:**

1. create the following page using a CSS grid



Day 5

### Task

- a. Develop Quantum Login page (Quantum login page)
- b. Develop a Quantum Dashboard page
  - i. Header
  - ii. footer
  - iii. Navbar
  - iv. Sidebar
  - v. Main content page

Specification

<https://xd.adobe.com/view/c8dc4fb8-01ae-4826-9a50-e8a05bc2a8e7-9d8f/>

Assets:

<https://drive.google.com/drive/folders/1cXzTFbw7kCuo3kQc8qEEWr2ellE9os79?usp=sharing>

- c. Agile course - <http://growingagile.thinkific.com/courses/scrumbasics>
- d. How browsers work - <https://www.html5rocks.com/en/tutorials/internals/howbrowserswork/>

4. Day 6 - CSS

- [CSS preprocessor Sass with SCSS - https://www.youtube.com/watch?v=Zz6eOVaaell](https://www.youtube.com/watch?v=Zz6eOVaaell)
- Build Components in HTML, CSS & JS <https://scrimba.com/learn/buildcomponents>
- Accessibility course - <https://www.udacity.com/course/web-accessibility--ud891>

### Task:

Convert the CSS written for the login and dashboard page with Sass

### 5. Day 7 - JS

- Introduction to Javascript <https://scrimba.com/learn/introductiontojavascript>
- Intro to ES6 <https://scrimba.com/learn/introtoes6>
- Intro to Type Script <https://scrimba.com/learn/intrototypescript>
- <https://code.tutsplus.com/tutorials/24-javascript-best-practices-for-beginners--net-5399>

### Session

- Introduction to JSON - <https://www.youtube.com/watch?v=iiADhChRriM>
- HTML string template - <https://wesbos.com/template-strings-html>

### Task

- Render Quantum Dashboard with JSON
- The task for TypeScript: convert the JS written on the login and dashboard page with TypeScript
- Dom manipulation - Please add the following functionalities to the dashboard page.
  - On hovering over the Hamburger icon, the hamburger menu should be opened.
  - On hovering over an alert icon, a preview alert div should be displayed
  - A preview of the latest announcement should be shown by hovering over the announcement icon.
  - On mouse out, all the open div should be closed.
  - Please note the respective div should not get opened and closed abruptly; please add some animation to it
  - Here is the specification
    - <https://xd.adobe.com/view/319dc735-aea4-4bc4-bf6d-a56696eb0aa2-64ce/screen/76eec169-af5e-4b10-9251-38976e1e61be/>

### 6. Event handling and Async JS

- Event handling
- Async JS -

c. CSS and JS debugging link

Overview chrome developer

<https://developer.chrome.com/docs/devtools/overview/>