

Foundation class for 100xdevs cohort

What we're learning

1. VSCode
2. HTML
3. CSS
4. JS
5. DOM
6. Assignments



What we'll learn practically


Small boi stuff


1. Tags
2. Attributes
3. Inline styles (bg color, fonts ...)
4. JS Basics, data types, loops, fns...

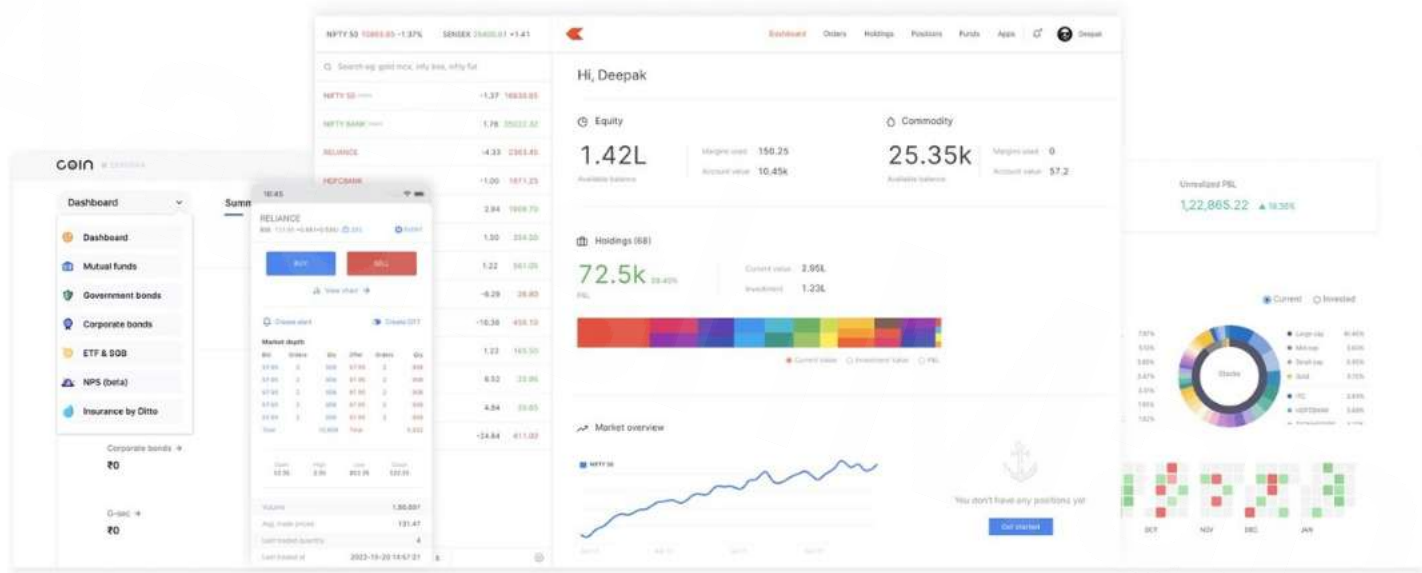
Big boi stuff

1. External styles, classes and ids
2. Flexbox
3. Connecting JS to HTML (selectors, DOM)
4. Chrome Dev tools

What we're building



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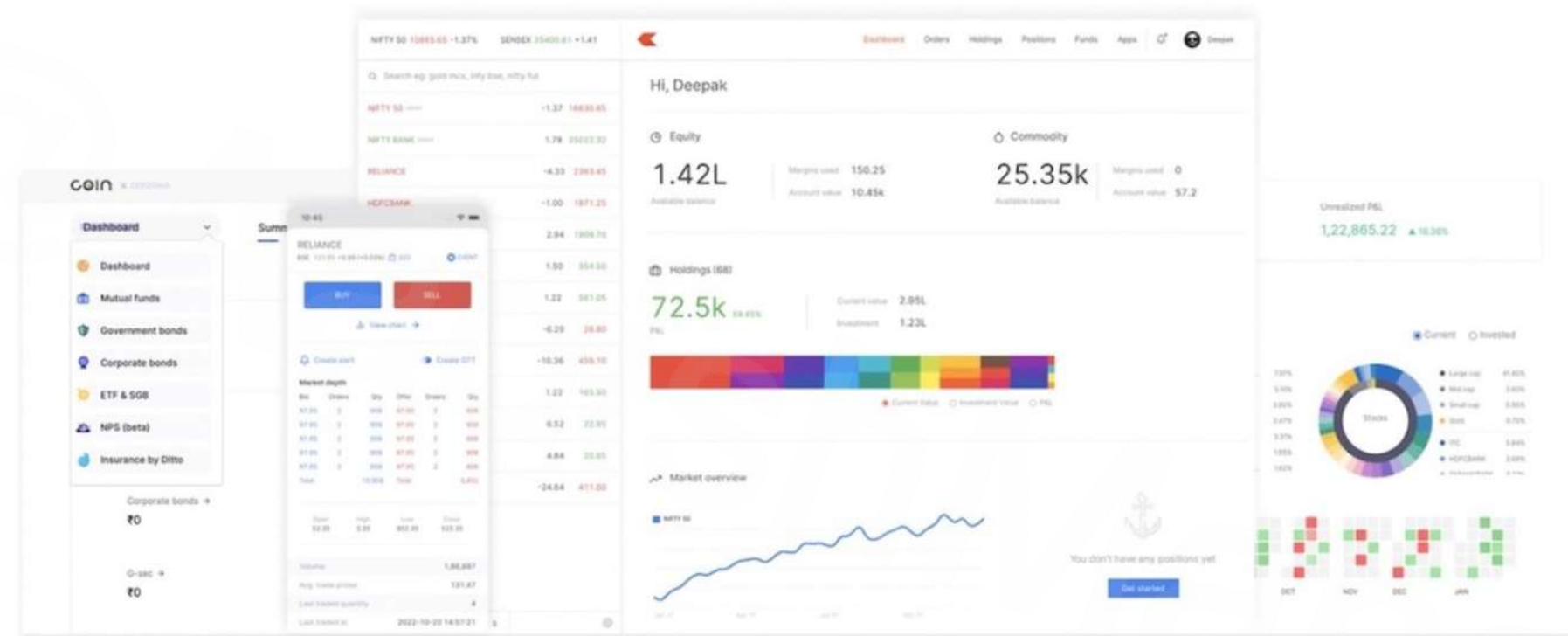
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Stage 1

(HTML Only)

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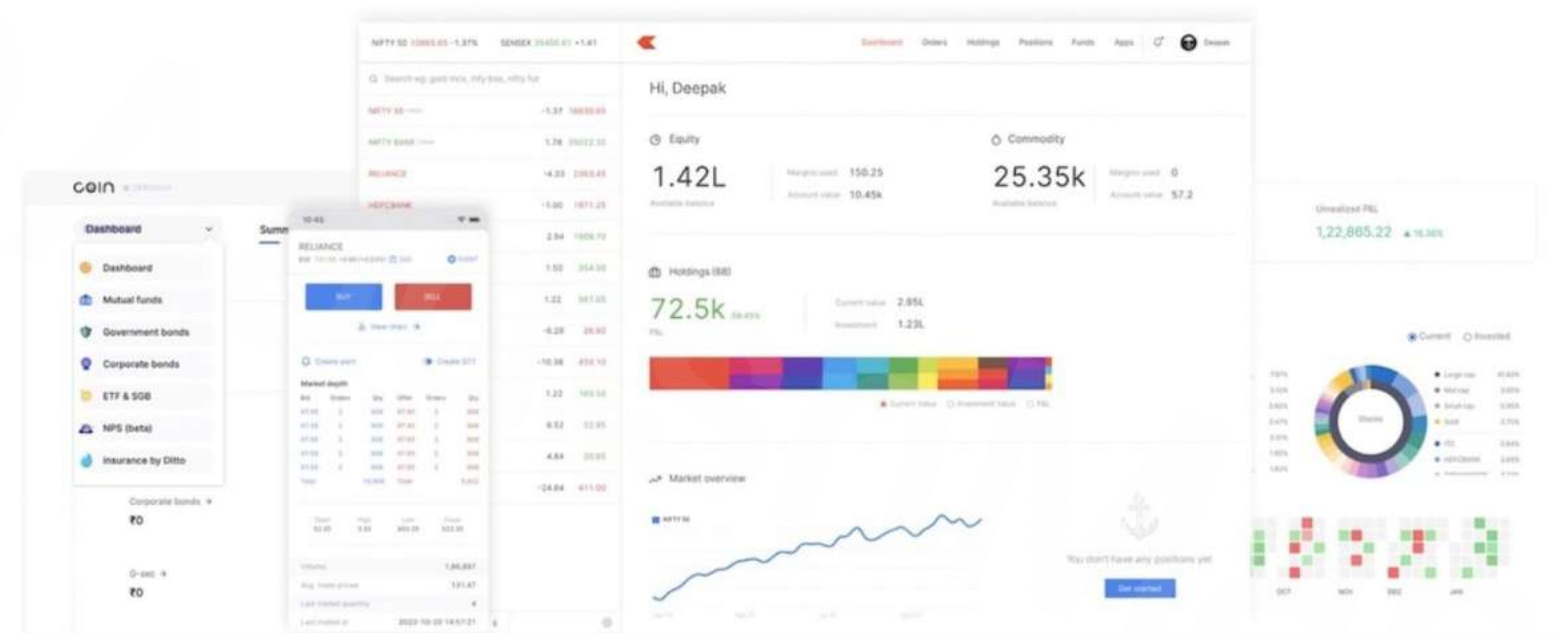


Stage 2

(HTML + CSS)

 ZERODHA

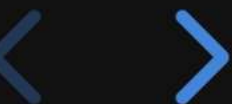
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Stage 3

JS

Create a portfolio returns calculator

A hand-drawn sketch of a portfolio returns calculator interface. The interface is contained within a rounded rectangle and features the following elements:

- On the left side, three input fields are stacked vertically, labeled "Capital", "Years", and "Interest".
- On the right side, there is a single input field containing the text "4 Cr".
- At the bottom, a wide button labeled "Calculate" spans across the width of the interface.

Before we start

What are browsers? How do they **render** websites?

What purpose do HTML/CSS/JS serve

How much of this do we actually use in the industry -

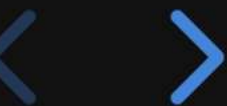
1. html => very minimal
2. css => minimal
3. js - heavy

IDE

VSCode

Vim

WebStorm



HTML

Defines the structure of your website

2 jargon we need to know of -

1. Tags
2. Attributes



CSS

They let you add **styles** to your website (colors, font sizes, background colors ...)

Used for positioning things on the page



Javascript

It is a scripting language

It can be used to solve algorithmic problems/do ML/do
backend development

Specifically for websites, it is useful to add functionality to
your website (for example, a returns calculator)

We're going to practise on repl.it first



Connecting JS to returns tracking app

First let's write a function that takes 3 inputs

1. numberOfYears

2. base

3. yearlyGains

and returns net portfolio value

Assignment

A hand-drawn calculator interface with a rounded rectangular border. On the left side, there are four stacked input fields labeled "Capital", "Years", "Interest", and "Calculate". On the right side, there is a checkbox labeled "Compound?" and a display area showing "4 Cr".

Capital

Years

Interest

Calculate

☐ Compound?

4 Cr