

# Task

Create an application that pulls in data through an API - <https://substantive.pythonanywhere.com/>

The application needs to show the percentages of interactions this client has for each sector.

Built using Javascript and favourite framework React / Next.js

## Bonus points for:

- A nice UI that makes the most of the output
- Use of a css preprocessor
- Use of graphs/tables
- Sharing your plan and approach (any notes you made before coding started)
- Any future plans for how the application could be improved

The structure looks like this:

```
{
  "date": "2020-12-06",
  "name": "Materials",
  "sector_id": "3"
}
```

Sass preprocessor

Chart.js for graphs and charts - LOOK INTO THIS

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npm install chart.js

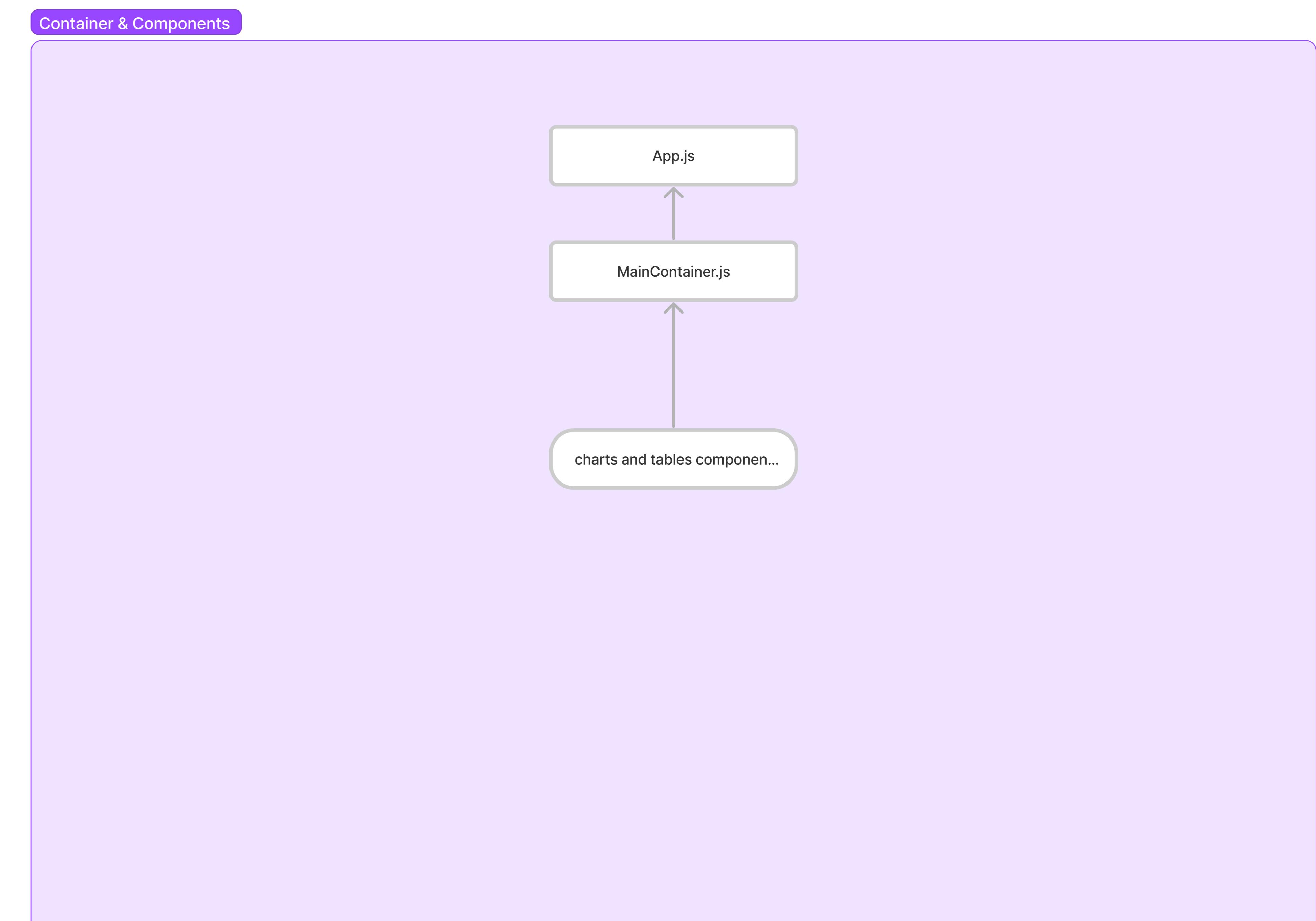
<https://www.chartjs.org/docs/latest/getting-started/usage.html>

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```
// first ensure that you can pull and render data from the api
// calculate percentages of each sector by finding the total number of interactions in dataset
// total number of interaction with each sector
// divide above number with total number of interactions and multiply by 100

/* <ul>
  {interactionData.map((item, index) => (
    <l key={index}>
      Date: {item.date}, Name: {item.name}, Sector ID: {item.sector_id}
    </l>
  ))}
</ul> */
```

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To Do 0
In Progress 0
Done 8

Uss css preprocessor

update readme with npm installs and instructions to run app

Add table view as seperate component

nice ui that makes the most of the output

Finish off styling

Add pie chart view

Test that api can be pulled through

Add table view



**Future improvements**

filter option based on what sector the user wants viewed

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better table option instead of html for better responsiveness

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different chart to include dates Which months had the busiest sectors?

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