Side Bar(Sidebar.js)

The sidebar on every screen that contains links to the following pages: Dashboard, Company List, New Company, My Portfolio and Model Description

Model Description(About.js)

This page contains static information on what our metric VGR means and why we use it as well as model generated insights on feature importance across different funding rounds

Dashboard(Dashboard.js)

A page to display overall insights and visualisations after modelling.
Contains:
1. List: top 10 performing companies according to expected VGR and confidence (**TopCompany** from **TopList.js**)
2. Heatmap1: A heatmap showing the absolute number of successful companies in each category in each region (**Heatmap** from **HeatMap.js**)
3. Bar-line Chart: A chart showing percentage of successful companies in each region on the bar and the average age of success on the line. Click chart to show chart by category instead of region (**BarLineChart** from **BarLineChart.js**)
4. Filter Panel: Panel that allows user to define success criteria as the achievement of different funding rounds e.g. Pre-Series+, Round B+, IPO/Acquisition etc.
5. RadarChart: A chart showing the average all time VGR (VGR from 1st to latest funding round) in each region. Click chart to show chart by category instead of region (**RadarChart** from **RadarChart.js**)
6. Heatmap2: A heatmap showing the varying importance of different features across funding rounds (presented based on the rank of importance) (**Heatmap** from **HeatMap.js**)

Data:
> **HTTP GET request from ./database**
> **HTTP POST request from ./dashboard**

Company List(CompanyList.js)

A page to access and give information on all companies on the database
Contains:
1. Table: Shows a list of all companies (5-25 rows at a time) with basic information such as name, category, region, Latest Funding Round, Expected VGR and model confidence. Companies can be sorted according to Expected VGR and Model Confidence. (**EnhancedTable** from **ListOfCompany.js**)
2. Filter: Allows users to filter companies by Region, Category and Latest Funding Round as well as search for them directly.

Data:
> **HTTP Get request from ./database**

Company Page(Company.js)

A page to display relevant information and insights on any particular company on the database

Contains:

1. Company Description: Includes the name of the company and link to their Home Page and Crunchbase page for further details
2. Status Bar: Shows relevant statistics about the company such as the Total Funding it has received so far, its Latest Funding Round and the expected VGR of the next funding round
3. Bar-Line Chart: Shows the post money valuation after each funding round on the bars and change in VGR between funding rounds on the line
4. List: Shows a list of other companies similar to the company, based on their Expected VGR and Model Confidence
5. Button: Allows to user to add/remove company from My Portfolio

Data:

HTTP GET request from ./company/<uuid>
HTTP POST request to ./portfolio

New Company(NewPortfolio.js)

A page to input details of a company not in our database. Our model will take all the information as input and return the expected VGR for the next funding round as well as the model's confidence regarding this estimate.

Contains:

1. Form: Contains fields to input various details of a company such as founder composition, founder experience, category, information on past funding rounds etc. (**SimpleSelect** from **FormControl.js, TextField** from **textfield.js**)
2. Buttons: The 'Estimate VGR' Button allows the user to send the data back to the server which then returns the model estimation and confidence. 'Add to My Portfolio' button adds the input to company to My Portfolio for further analyses

Data:

HTTP POST request to ./portfolio

My Portfolio(Myportfolio.js)

A page to display the companies that have been added to MyPortfolio using either a company's company page or from the New Company Page.

Contains:

1. Statistics Bar: Shows the total number of companies in the portfolio as well as the total cumulative funding received by them.
2. List: Shows details of all companies in My Portfolio. Also provides an option to go to a company by clicking on a row or remove the company from my portfolio altogether (**SCList** from **SCList.js**)
3. Visualizations: Displays portfolio distribution by region and category on piecharts (**PieChart** from **piechart.js**)

Data:

HTTP Get request from ./portfolio.
HTTP DELETE request from ./portfolio