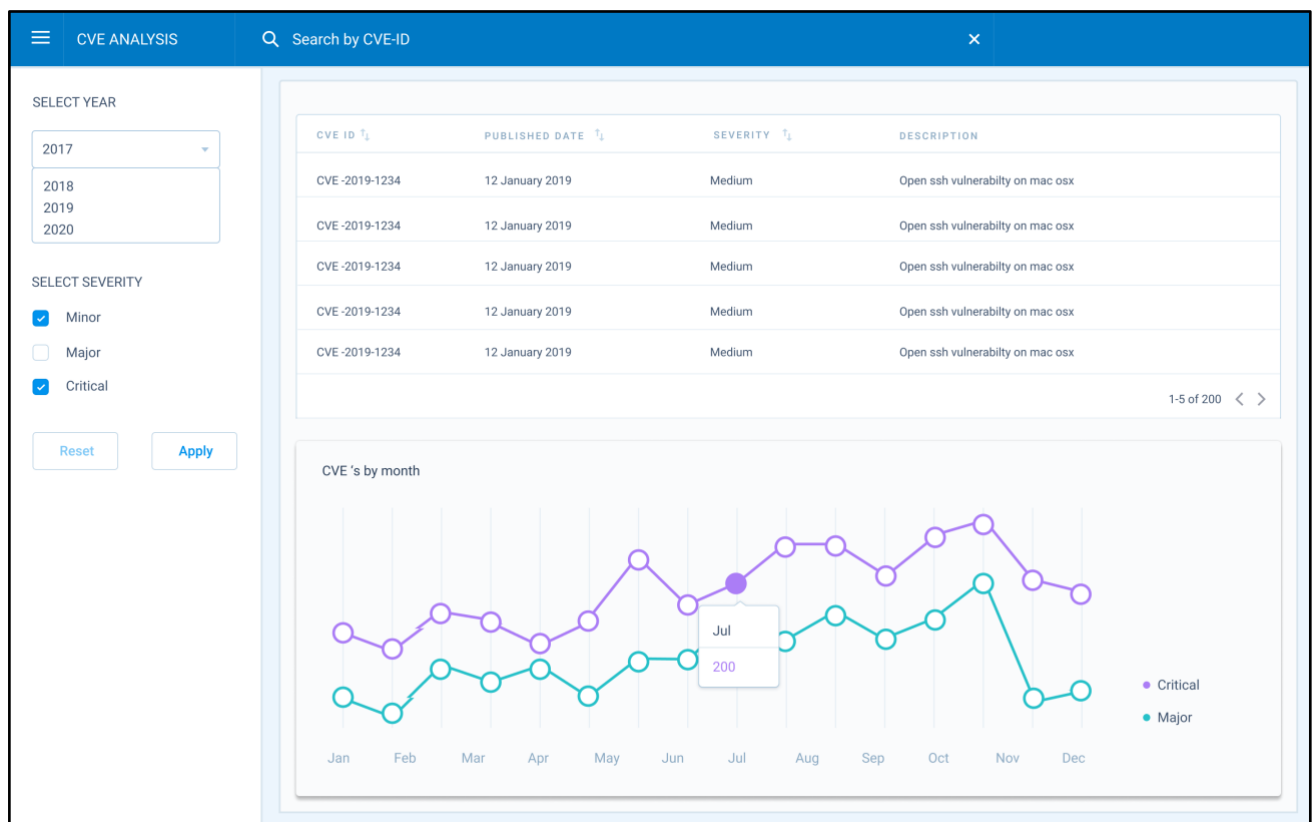


User Interface

- Create a react app using typescript with user interface as per the wireframe below.
- All components should be developed using Material UI library.
- Data is supplied in CVE.json which should be parsed on Node and obtained via REST. (Performance is not a key concern while parsing data)
- Create a rest endpoint to fetch data from any json file with same format as CVE.json.
- Year dropdown is dynamically populated depending on the number of years present in the json data.
- **Note:** The app should be able to function with any given CVE.json file as during evaluation a separate file will be used to check app functionality.



Features

- Burger menu should show and hide the drawer component to show and hide the year and severity selections.
- CVE can be searched via search bar using CVE-ID and results are displayed in the table.
- Selecting year and priority and clicking apply should generate graph and corresponding CVE results in the table.
- Reset button resets the filters, tables and graph.
- Year selection offers single selection by year and displays CVE's reported by month.

Result

- Containerise the application using docker and provide a zip file with code and compilation instructions (if any) using npm.
- Document application working process and rest endpoints.

Evaluation criteria

- Project structure, comments in the code, code quality and reusability
- Correct usage of layout grids, material ui components and responsive elements upon hiding the filter drawer.
- Time taken to finish the task and documentation provided.
- Usage of any applicable design patterns.