

Home Assignment

<https://codesandbox.io/> - Develop the assignment here and send link to working code

Important - Changes

- When application first loaded, show PIE chart of all the categories by default
- Define in Typescript the Types of category and product
- When clicking Clear, reset the filters and show the pie chart
- The column bar chart of will run only after the Run Report is clicked
- After the report is run disable the Run Report button until changes were done in the filters, only if the selection of the filters changed enable the Run Report button again

Stack

<https://react.dev/> - React hooks

<https://www.typescriptlang.org/> - Typescript

<https://dummyjson.com/> - API

<https://mui.com/material-ui/> - UI components

<https://api.highcharts.com/highcharts/> - charts

<https://styled-components.com/> - Css library (optional)

Home Assignment

Create Dashboard that shows prices chart of selected products in a selected category

Tech Stack - Must use

- React hooks
- Typescript
- Highcharts
- Material UI
- Css (any css library)

API

Fake Rest API Docs

<https://dummyjson.com/docs>

Get all products categories

<https://dummyjson.com/products/categories>

Get all products of selected category

[https://dummyjson.com/products/category/\[category\]](https://dummyjson.com/products/category/[category])

Instruction

Clear button - Clears the filters and remove the chart

Category selector - Single select

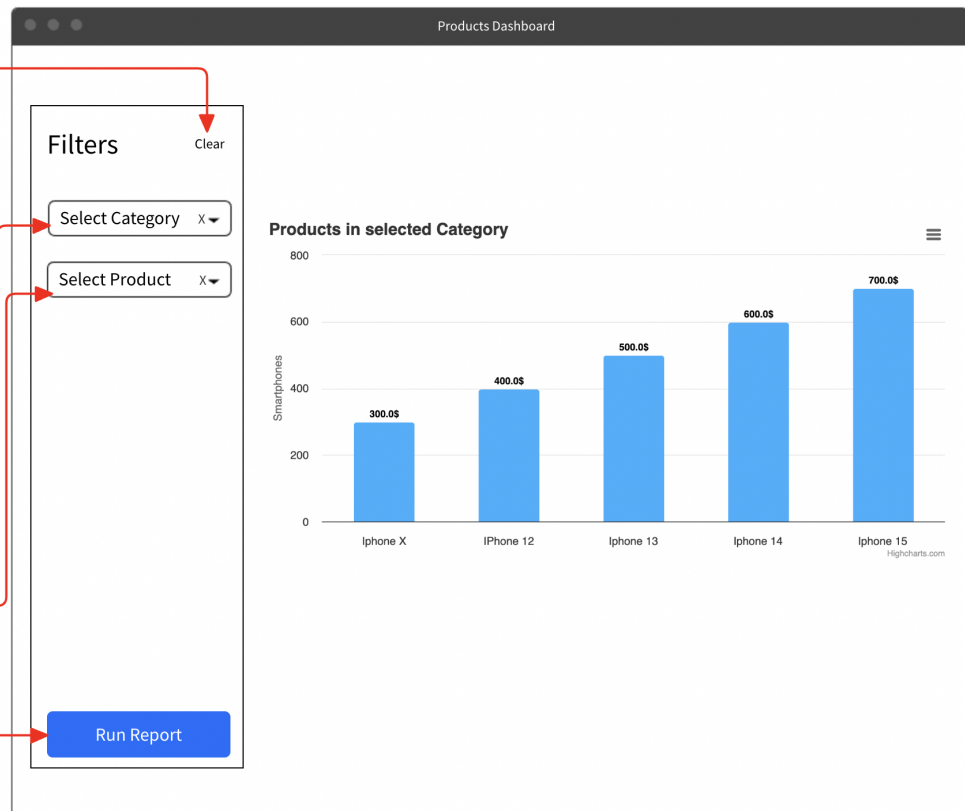
Product Selector - Multi select

- Disabled until category is selected
- If category is cleared also product is cleared
- If no product is selected, show price chart of all products in the selected category
- If only 4 products are selected show chart of only the selected product

Run Report button - disabled until Category is selected

When clicking the button

- Show spinner for 3 seconds
- Show Highcharts column bar chart



The charts shows the price of all selected products in the selected category