

React Technical Challenge

Create an application that will use the data from a static JSON file and through this information, should recreate the following tables:

Portfolio						SUB-STRATS			Collapse All	Expand All
Portfolio	Loan #	Remaining Amount	Real. Amount	Payment Delay	Asset Amount					
Portfolio A	22215	€11,968,070	€53,693,723	0.54	€1,293,184,439					
Portfolio B	956	€3,415,517	€109,061	-0.37	€8,263,537					
Portfolio C	6499	€10,818,221	€49,856,068	3.43	€2,443,636,789					
Portfolio D	24597	€23,822,688	€62,910,303	3.82	€1,378,500,197					
Portfolio E	485	€8,791,043	€5,799,233	-63.04	€877,372					
Portfolio F	75	€15,958,995	€9,185,750	6.77	€256,982,173					
Portfolio G	4423	€79,542,528	€35,855,469	-9.83	€703,483,355					
Country						SUB-STRATS			Collapse All	Expand All
Std. Rating						SUB-STRATS			Collapse All	Expand All

Requirements:

1. The JSON file is prepared beforehand and should be the only source of truth for the tables.
2. Each table should be expanded through multiple levels as seen below where each entity (Portfolio, Country, Std. Rating) contains different entities (Platforms) and each Platform contains different Sectors.

Collapsed View for the Portfolio Table (first level):

Portfolio						SUB-STRATS			Collapse All	Expand All
Portfolio	Loan #	Remaining Amount	Real. Amount	Payment Delay	Asset Amount					
Portfolio A	22215	€11,968,070	€53,693,723	0.54	€1,293,184,439					
Portfolio B	956	€3,415,517	€109,061	-0.37	€8,263,537					
Portfolio C	6499	€10,818,221	€49,856,068	3.43	€2,443,636,789					
Portfolio D	24597	€23,822,688	€62,910,303	3.82	€1,378,500,197					
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Portfolio F	75	€15,958,995	€9,185,750	6.77	€256,982,173					
Portfolio G	4423	€79,542,528	€35,855,469	-9.83	€703,483,355					

Second level of expansion: Portfolio > Platforms

Portfolio		SUB-STRATS				Collapse All	Expand All
Portfolio	Loan #	Remaining Amount	Real. Amount	Payment Delay	Asset Amount		
▲ Portfolio A	22215	€11,968,070	€53,693,723	0.54	€1,293,184,439		
▼ Platform A	5632	€171,319	€11,539,392	0.15	€33,523,384		
▲ Platform CM	57	€188,474	€1,116,220	2.91	€1,433,563		
No Sector	57	€188,474	€1,116,220	2.91	€1,433,563		
▼ Platform CT	3	€0	€206,237	34.33	€220,199		
Platform DB	1	€0	€327,812	-152.00			
▲ Platform FF	3653	€644,981	€7,195,115	3.86	€36,616,620		
Accommodation And Food Service Activities	26	€8,858	€16,618	2.38	€247,462		
Administrative And Support Service Activities	166	€43,097	€500,868	-0.14	€1,904,348		

Third level of expansion: Platforms > Sectors (last level of expansion)

Portfolio		SUB-STRATS				Collapse All	Expand All
Portfolio	Loan #	Remaining Amount	Real. Amount	Payment Delay	Asset Amount		
▲ Portfolio A	22215	€11,968,070	€53,693,723	0.54	€1,293,184,439		
▲ Platform A	5632	€171,319	€11,539,392	0.15	€33,523,384		
Accommodation And Food Service Activities	9	€0	€5,484	5.33	€13,915		
Activities Of Extraterritorial Organisations And Bodies	2	€0	€2,296	0.00	€10,416		
Administrative And Support Service Activities	159	€3,179	€469,857	-0.14	€1,115,252		
Agriculture, Forestry And Fishing	178	€0	€386,261	-1.64	€941,749		
Arts, Entertainment And Recreation	12	€0	€18,038	1.33	€53,368		
Construction	1639	€87,143	€3,198,656	1.00	€8,721,460		
Education	21	€0	€37,011	-0.14	€81,745		
Electricity, Gas, Steam And Air Conditioning Supply	43	€0	€484,520	0.53	€1,817,507		
Financial And Insurance Activities	36	€0	€154,655	1.06	€380,636		

- Each of the entities that are expanded should display the tabular information as shown on the right side with the columns such as: Loan #, Remaining Amount, Real. Amount, Payment Delay, Asset Amount.
- There should be 2 functionalities for each table that affect one table at a time. These functionalities are: **Collapse All** and **Expand All**.
- By clicking on **Collapse All**, the table should collapse all the rows to the first level.
- By clicking on **Expand All**, the table should expand all the rows to the last level.
- The first column on all the tables should be sticky (the table may have an overflow but the first column should remain in its fixed position).

Details:

In the JSON dataset, the “primary” attribute refers to the table header.

The “label” entity inside each root>children entity refers to the first column element (Portfolio, Platform and Sector).

Nice To Have: All columns that contain numeric values should be sortable from lowest to highest and vice versa by clicking on the arrows.

Tech Stack: React only