

[Front-End Developer] Technical Test

Frontend Technical Test — React Data Table

Build a lightweight table editor that supports:

- Lazy loading (infinite scroll) from a public JSON endpoint
- Correctness & stability of core features

Data Source

Use this public dataset:

GET <https://microsoftedge.github.io/Demos/json-dummy-data/5MB.json>

Assume/derive a unique id per row.

State/Created date doesn't exist in dummy data, you can use any string or fixed value for their

Requirements

- **Lazy load / infinite scroll**
- **Render an initial slice; append more rows as the user scrolls.**

Tech (pre-suggestion, not mandatory)

- React 18+ (TypeScript preferred).
- You may use any libraries you like. Examples:
- UI: shadcn/ui, Radix UI, MUI, Antd or your own components.
- State/data: Redux Toolkit (+ RTK Query) or Zustand/SWR/React Query, anything that you want to use.
- Forms/validation.

Deliverables

- A Git repo with:
- Source code
- README with setup/run instructions and a short note on decisions/trade-offs
- demo link(optional).

←

Table name

⊕ Add row

▼ Filter

↕ Sort

🔍 Search

🔗 Fields

🔄

📄

🔊

⚙️

Action

👉 Ask AI

<div><div>□</div></div>	A id	Primary	A bio	# name	A language	version	A State	Created Date	+
1	a-1111		4140 Parker Rd. Allentown, New Mexico 31134	Gordon Krisch	Fairfield	new customer	LA	2020-05-04 09:18:16	
2	a-2222			Darlene Robertson	Fairfield	served	MN	2020-05-03 08:14:01	
3	a-3333		8502 Preston Rd. Inglewood, Maine 98380	Jenny Wilson	Orange	to contact	KS	2020-05-06 11:24:08	
4	a-4444		6391 Elgin St. Cellina, Delaware 10299	Cody Fisher	Fairfield	pause	MO	2020-05-01 06:05:46	
5	a-5555		3517 W. Gray St. Utica, Pennsylvania 57867	Kristin Watson	Naperville	pause	PA	2020-05-01 06:05:46	
6	a-6666		2464 Royal Ln. Mesa, New Jersey 45463	Ronald Richards	Pembroke Pines	pause	SD	2020-05-04 09:18:16	
7	a-7777		2972 Westheimer Rd. Santa Ana, Illinois 85486	Marvin McKinney	Pembroke Pines	to contact	CT	2020-05-04 09:18:16	
8	a-8888		4517 Washington Ave. Manchester, Kentucky 3949	Devon Lane	Fairfield	new customer	CA	2020-05-05 10:21:13	
9	a-9999		2715 Ash Dr. San Jose, South Dakota 83475	Courtney Henry	Pembroke Pines	to contact	MS	2020-05-04 09:18:16	
10	b-1111		1901 Thornridge Cir. Shiloh, Hawaii 81063	Dianne Russell	Toledo	new customer	TN	2020-05-04 09:18:16	
11	b-2222		4140 Parker Rd. Allentown, New Mexico 31134	Ralph Edwards	Orange	pause	ND	2020-05-04 09:18:16	
12	b-3333		4517 Washington Ave. Manchester, Kentucky 3949	Jerome Bell	Austin	to contact	WA	2020-05-02 07:10:15	
13	b-4444		4140 Parker Rd. Allentown, New Mexico 31134	Robert Fox	Pembroke Pines	new customer	KY	2020-05-03 08:14:01	
14	b-5555		3891 Ranchview Dr. Richardson, California 62639	Wade Warren	Naperville	new customer	CO	2020-05-05 10:21:13	
15	b-6666		3891 Ranchview Dr. Richardson, California 62639	Theresa Webb	Fairfield	served	OR	2020-05-05 10:21:13	
16	b-7777			Eleanor Pena	Orange	served	FL	2020-05-04 09:18:16	
17	b-8888		2118 Thornridge Cir. Syracuse, Connecticut 35624	Annette Black	Fairfield	new customer	RI	2020-05-04 09:18:16	
+ New row									