[2-3 weeks] For ur task, I want u to do an **Airtable clone.** Use https://create.t3.gg/, deploy on Vercel.

- Use the TanStack table library for the table UIs.
- Use PostgreSQL for DB.
- Just focus on the main page with tables, columns, and cells.
- UI needs to match 1:1 with Airtable
- You don't have to implement all functionalities.
- Be able to log in via Google and create bases. In each base, I can create tables.
- Be able to dynamically add columns.
  - Text and Number type columns are fine for now
- Editing cells, and the arrow keys + tab key should move me across the table smoothly
- Creating a new table will show default rows and columns. User fakerjs for data
- I want to see a table w/ 100k rows and scroll down without lag
  - Add a button I can click that will add 100k rows to my table.
  - Implement virtualized infinite scroll using TRPC's hooks and TanStack virtualizer
- I want to be able to search across all the cells. Make this act as a filter for the rows.
- I want to be able to create a 'view' of a table and save the following configurations
  - Filters on columns: for both numbers (greater than, smaller than) and text (is not empty, is empty, contains, not contains, equal to)
  - Simple sorting on columns: for text A→Z, Z→A, for numbers, do decreasing or increasing
  - Search, filter, and sort have to be done at the database level
  - Can search through and hide/show columns.
- Make sure there's a loading state
- The ultimate goal - if there are 1m rows, it can still load without an issue!

Please send daily updates to the Slack channel and timestamp it with day 1, day 2, day 3 etc.

Disclaimer: Lyra will not be using your take home project for any commercial purposes.