Address Book

User Story

As a social person, I want to capture addresses of people I've met, so that I can keep in contact with them.

Specification

Write a React app that includes the following features:

Create New Address Book Entry

Each entry should include the following attributes:

- First name
- Last name
- Phone number
- Email
- Address

List Existing Addresses Grouped by The First Letters of The Last Name

Generate a list of existing addresses that include all the attributes for each record grouped by the first letter of the respective last names, for example: A (Steve Abram, Michael Adams), B (Matthew Baskett, Robert Bays)

Search for Addresses

Provide a way to filter the list of addresses by a string of characters. The input string should be matched against combinations of first and last names. For example, both strings "Rob" and "Bay" would match an entry "Robert Bays".

Additional requirements

- Phone numbers and emails must be unique
- At least one of three attributes (phone number, email, address) should be required

Backend implementation

You can use a tool of your choice to set up a basic API to feed the front-end application. Some of the options are:

- Use a Python framework like FastAPI, flask or Django or anything you're familiar with.
- Use a tool like https://mockapi.io or https://mocki.io to mock an API.
- Use a tool like JSON Server NPM package to run a local mocked API.

It's up to you to choose a specific tool.