DOTNET Code Test

Please solve both exercises below, and submit your answers in a public git repository

Solve using a microservice architecture

A user should be able to search for users. Each user has full name (first name, last name) and username

For every key stroke the system should filter out the users by either "Full name" or "username" containing the entered value anywhere in the "Full name" or "username"

- The search should be performed on the entire system users set
- The results should be sorted by "Full name > username" alphabetically
- The search should ignore "punctuation marks" and "accents marks"
- The search should ignore "letter casing". e.g. Mark = mark
- When a "blank spaces" are introduced the search will trigger with the following criteria
  - Search by components e.g "Jhon Doe" will find "Jhon" OR "Doe" with a contains criteria in "Full name" or "username".
- The system should load 10 paginated users with infinite scroll
- For every user the following information should be retrieved:
  - Full name
  - Username
- If results not found, a label should be displayed "No results found"
- Once the user taps over a specific search result, it should be redirected to the selected "User profile" screen.

You should create:
1. 2 microservices with Dapr:
    a. Register user (.NET Core)
    b. Search users (.NET Core)
2. 1 Front App with any frontend framework or mobile
3. Database SQL or NoSQL

Recommendation:
Use project tye to build the project

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