Design Document: Address book

Objective: The goal of this project is to integrate the external API https://randomuser.me, with our RandomUser .NET Core API backend service and create a visually appealing UI using Angular to consume and display the data.

Project Components:

1. RandomUser – Backend service
   - Technology: .NET
   - IDE: Visual Studio
   - Start: from Visual Studio IDE
   - Purpose: Acts as the intermediary between the external API and the Angular frontend.
   Responsible for fetching data and providing endpoints for the frontend.
   - Endpoints:
         1) api/random
                 query params: page, results (how many users to be visualized)
                 return random results
         2) api/random/search
                 query params: page, results, [optional] gender, [optional] nationalities
                 can search by gender and nationalities
   * I couldn't see any other possible way to search
2. Angular Frontend Service (address-bool-ui)
   - Technology: Angular
   - Start: go to service folder directory via terminal and execute command "ng serve"
   - Purpose: A user interface that consumes data from the RandomUser backend service and presents it to the end-user in an elegant and user-friendly manner.

Something that can change:

The external API offers to return the same result using seeds, when changing pages, we can save the already visualized users by having a map that saves on which page which seed corresponds