iOS Development Assignment

The goal of this assignment is to evaluate the candidate's problem-solving skills, UX judgment, and code quality, not the UI.
Your task is to create an app similar to the Foursquare application:

- **Step 1**: Sign up as a developer, create a project, and generate an API key on this site: https://foursquare.com/developers

- **Step 2**: Use the API to retrieve search results for places based on the instructions provided here: https://docs.foursquare.com/developer/reference/place-search

In the application, you must implement a search for places by name and display the results in both a list and on a map.

- The app should be able to display a list of names with the option to switch to a map view (similar to the "listSide_MapSide.jpeg" image in the attached file).

- On the map side, display the names in a horizontally scrollable collection and show place pins on the map (similar to the "sample.jpeg" image in the attached file).

- Implement filtering of the results by a given prefix string.

Additional Requirements/Restrictions:

- Use MapKit to load the map.
- The app must be written in SwiftUI.
- Implement pagination for both the list and the map.
- Ensure compatibility with the two latest major versions of iOS.
- You are free to use a framework, but it's optional and up to you.
- Clean code architecture, the Repository pattern, and MVVM should be evident and well-implemented.

Ensure the code is modular, with each component having a single responsibility. Follow SOLID principles, making the code easy to understand and maintain.

Submission Guidelines:

- Fork the provided repository and work on your solution in a new branch.
- Commit your changes with clear, concise messages.
- Once you have completed the challenge, create a pull request with your changes.
- Include a README file with instructions on how to set up and run the app, along with any additional information or assumptions you made

#Good luck and happy coding!#