Project Description

Objective

The objective of this project is to evaluate your skills in iOS development, focusing on your architecture and design patterns, especially the Model-View-ViewModel (MVVM) pattern. This task is designed to be simple and should be completed within approximately 3 hours.

Requirements

- **Framework**: Swift
- **Architecture**: MVVM
- **API**: JSONPlaceholder
- **UI Framework**: UIKit

Project Description

Create a simple iOS application with the following features:

Screen 1: User List

- Fetch a list of users from the JSONPlaceholder API.
- Display the list of users in a simple table view.
- Each cell should display at least the user's name and email.

Screen 2: User Detail

- When a user selects a user from the list, navigate to a detail screen.
- Display the user's detailed information including name, email, phone, and website.

Architecture

- **MVVM**: The project should follow the MVVM design pattern.

- **Networking Layer**: Implement a network layer to fetch data from the API.
- **Repository Pattern**: Use a repository pattern or a similar approach to manage data operations.
- **Navigation**: Implement navigation from the user list to the user detail screen.

Nice to Have

- **Unit Tests**: Adding unit tests for your view models and network layer.
- **Inline Comments**: Use comments to explain your thought process and decision-making.

What We're Looking For

- **Adherence to MVVM**: Clear separation of concerns.
- **Networking**: How you handle API calls and data parsing.
- **Repository Pattern**: Usage of repository pattern or similar for data management.
- **Data Passing**: How data is passed between screens.
- **Code Quality**: Clean, readable, and maintainable code.
- **Comments**: Use comments to explain your thought process and decision-making (optional if you include unit tests).

Submission

Please submit your project via a GitHub repository. Ensure your code is well-documented and includes instructions on how to run the project.

This is a generic task, and we are primarily interested in understanding your coding style and architectural decisions. Good luck, and we look forward to reviewing your submission!