iOS Developer Programming Test

This test will be used to evaluate your programming abilities. Take your time reading through all of the requirements, and send any questions about the exercise to mohammad.alatrash@seera.sa

General project requirements

- Use Storyboard for interface.
- Use UIKit App Delegate for life cycle.
- Use Swift programming language.
- UIKit components are sufficient but custom components can be used.
- Use MVC or MVVM design pattern.
- Support iOS 14 and 15.
- 3rd party libraries are not allowed to be used.
- Code to be well-structured, coherent and easy to read.
- Apply short comments where necessary, to ensure others can understand your code
- You can define the visual layout however you see fit, but no fancy design is required.
  If the resulting UI feels good, it is a Plus.
- Localization to follow the device language.

Evaluation criteria:

- Implementation of the logic and UI, based on mobile development perspective.
- Code organization and design.
- Unit testing.

Listing Screen

A list of hotels is displayed by the application. It makes use of a remote data source, which can be accessed via the following URL: https://sgerges.s3-eu-west-1.amazonaws.com/iostesttaskhotels.json
The data format is JSON and accessible through standard HTTP.

Implementation should include:

- Hotel listing with lazy loading and pull to refresh capabilities.
- Required network calls.
- In each cell, display the image, name, star rating, address and the price of the hotel (make sure labels are not truncated).
- A search bar on the top of the list which will allow to search for hotels by name.
- Display all hotels on a map view.
- Display images with a correct aspect ratio.
- Dynamic cell height.
- Your layout needs to be compatible with different screen sizes.
- Unit tests.
- Support both Arabic and English layout.
- Implement sorting for the results with the options: Recommended, Lowest price, Star rating and distance. From the JSON use priorityScore for Recommended option.

Bonus

- Use clustering for the map screen.
- Use UISplitViewController on iPad to display the listing screen and the map screen next to each other.

Any additional enhancements from your end are welcome and will be considered a plus if properly implemented. You can also include a written statement in your code that explains what

you did in the project and why. Please also tell us how long it took you to complete the project.

Please upload the project on GitHub/Bitbucket (Private repo) account, and send the invitation to mohammad.alatrash@seera.sa