iOS Engineer

Background

In Singapore Power, we are often required to build iOS apps backed by internal data APIs to communicate critical and relevant information to our stakeholders and consumers.

Your Task

Assignment: Weather App

Sign up for a free account on https://www.worldweatheronline.com/developer/api/docs/ to create an iOS Weather app that fulfils the following use cases.

Use Case 1.

As a user
Given I am on the home screen
When I type in to the search bar on the home page
Then i will see a list of available cities that pattern matches what I have typed

Use Case 2.

As a user
Given I am on the home screen
And there is a list of available cities (based on what I've typed)
When I tap on a city
Then I will be on the city Screen
Then I will see the current weather image
Then I will see the current humidity
Then I will see the current weather in text form
Then I will see the current weather temperature

Use Case 3.

As a user
Given I am on the home screen
And I have not viewed a City's weather
Then I should see a list view empty state

Use Case 4.

As a user
Given I am on the home screen
And I have previously viewed any city's weather
Then I should see an ordered list of the recent 10 cities that I have previously seen.
And I should see the latest City that I have viewed at the top of the list

Use Case 5.

As a user
Given I have previously viewed any city's weather
When I have relaunched the app (terminating the app and relaunched)
Then I should see a ordered list of the recent 10 cities that I have previously seen.

The reviewers will be looking out on whether you adhere to clean code practices and readability.

Guidelines:

1. Code are to be in Swift (Swift 4.2 or higher)
2. No use of external libraries. We want to see whether you are able to code without external help.
3. Please ensure that codes are properly unit tested. Kindly use the XCode code coverage report to ensure all codes are covered.
4. Bonus if you are able to submit with UITest.
5. Please approach this exercise as you would in your day-to-day development workflow.
6. No Massive View Controller anti-pattern
7. The assignment will be used as a simulation of actual work at SPDigital. You may be requested to do a necessary code changes and resubmit to meet our standard.

Git and Commit History

Sync your app to GitHub and allow access to `depoon`, `perwyl` and `swaruphs`
Please maintain a descriptive and clear Git commit history as it would allow us to better understand your thought process.

Android Engineer

Your Task

Assignment: Weather App

Sign up for a free account on https://www.worldweatheronline.com/developer/api/docs/ to create an iOS Weather app that fulfils the following use cases.

Use Case 1.

As a user
Given I am on the home screen
When I type in to the search bar on the home page
Then i will see a list of available cities that pattern matches what I have typed

Use Case 2.

As a user
Given I am on the home screen
And there is a list of available cities (based on what I've typed)
When I tap on a city
Then I will be on the city Screen
Then I will see the current weather image
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Use Case 3.

As a user
Given I am on the home screen
And I have not viewed a City's weather
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As a user
Given I am on the home screen

And I have previously viewed any city's weather

Then I should see an ordered list of the recent 10 cities that I have previously seen.

And I should see the latest City that I have viewed at the top of the list

Use Case 5.

As a user

Given I have previously viewed any city's weather

When I have relaunched the app (terminating the app and relaunched)

Then I should see an ordered list of the recent 10 cities that I have previously seen.

The reviewers will be looking out on whether you adhere to clean code practices and readability.

Guidelines:

1. Code are to be in Kotlin (Kotlin 1.3 or higher)
2. No use of external libraries. We want to see whether you are able to code without external help.
3. Please ensure that codes are properly unit tested. Do include a report of the test coverage of your codes (using JUnit, Mockito or others).
4. Bonus if you are able to submit with UITest.
5. Please approach this exercise as you would in your day-to-day development workflow.
6. No Massive View Controller anti-pattern
7. The assignment will be used as a simulation of actual work at SPDigital. You may be requested to do a necessary code changes and resubmit to meet our standard.

Git and Commit History

Sync your app to GitHub and allow access to `SagarBegale` and `MystL`

Please maintain a descriptive and clear Git commit history as it would allow us to better understand your thought process.

Looking forward to seeing your code!