QA Challenges (App, API)

Tech stacks:

You can use any language (Python, JS, Java, etc.) or tools you feel comfortable with to complete the 3 tasks

The whole demo should include:

1. Mobile Test Automation Framework (such as Appium)
2. Any open source library you find it useful
3. It's a plus to use any type of test framework (unittest, pytest, cucumber, etc) to organize the test cases and use any open source reporting tool to generate meaningful test reports.

Task 1: Coding Basic

Create a pyramid pattern using stars (*)

```
    *
   ***
  *****
 *******
*********
```
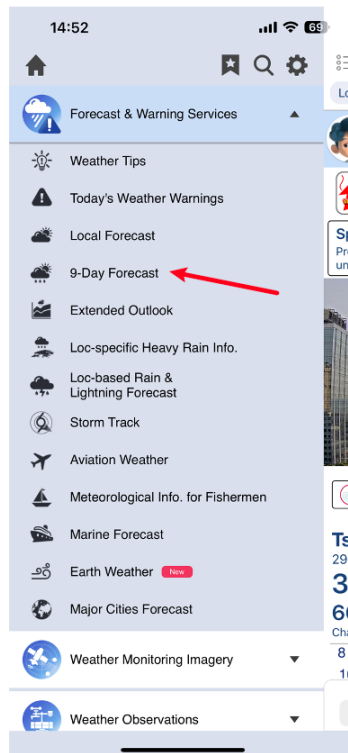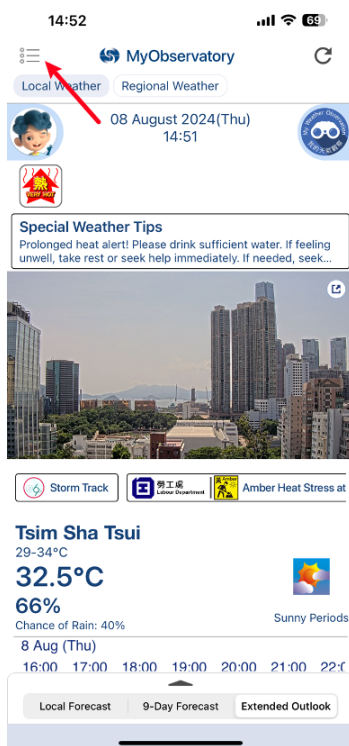
Task 2: App UI verification

Automate the App UI for below test case:

Install an app (MyObservatory from Hong Kong Observatory) from google play store/apple store.

Check the 1ˢᵗ day's weather forecast from 9-day forecast screen. Verify the Date is correct.

Screenshots:

Task 3: API verification

1. Goto
   https://www.szse.cn/English/siteMarketData/siteMarketDatas/lookup/index.html?code=000001
2. Get the API endpoint to show market data for the instrument.
3. Send a request using this API endpoint with your preferred language
4. Test the request response status is whether successful or not
5. Extract the market data from the API response and verify **High > Low**

Screenshot: