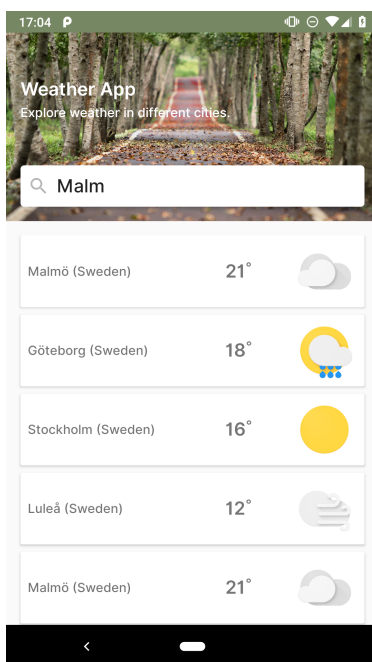


Programming Assignment - iOS

Great that you are doing our programming assignment! As a basis for our technical interview, we would like you to solve the task below. Your solution will be discussed during the technical interview. We want you to show your knowledge of iOS and Objective-C/Swift, as well as how you think about UI design. We wish you good luck!

Task:

We have a (fictitious) customer who wants an iOS application that shows weather data for a city. The application must include:



- a search field
- a list to show the result of a search.
- a detail view, if you click on a row in the list a more detailed weather report is displayed.

The picture to the left is just an illustration of what the customer expects the first screen will include and not a UI specification. Feel free to design the list as you like.

If you want to use the same assets as in the picture, you can [download them here](#). There's also sites like [Unsplash](#) and [Uplabs](#) that can be used for inspiration & free assets.

API call for city search:

<https://api.openweathermap.org/data/2.5/find?q=Mal&type=like&cnt=10&units=metric&appid=b4af92bbda4d0b6e66744b4df7fe1422>

And the detail view for a selected city:

<https://api.openweathermap.org/data/2.5/forecast?id=3146508&units=metric&appid=b4af92bbda4d0b6e66744b4df7fe1422>

The API documentation is found here:

- <https://openweathermap.org/current> (API call 1)
- <https://openweathermap.org/forecast5> (API call 2)
- <https://openweathermap.org/weather-conditions> (list of weather condition codes)

We would like you to use Swift or Objective-C for this assignment, but aside from that you're free to use any libraries as you see fit.

We would like you to deliver the solution as a .zip/.tar.gz file or shared as a repo on Github. It should contain:

- Source code with project files so that we can open and run it in Xcode.
- A Git repo with some commits (even if delivered as .zip/.tar.gz)
- Optionally a README if you want to clarify or say something about your solution

Please send the solution by e-mail to your recruitment contact at Devoteam Creative Tech.

Don't hesitate to send any questions or comments via email. Spend max 8h total on the assignment. If you run out of time - prioritize making sure that what is done is really done/works and tell us what is not done.

Thanks and good luck!