Introduction

The purpose of this exercise is to determine the initial level of the competencies regarding mobile application engineering. The assignment is to deliver the source code of a small application conforming the specifications and requirements described in this document.

Goal

The goal of the assignment is to deliver source code for an application that allows you to meet the team. The application contains a list with several employees of Wehkamp, including the names of all employees working for the mobile team. The data is fetched dynamically from a web server.

Requirements

The candidate is free to use any technology, methodologies, principles, etc. as long as it meets the following requirements:

- The source code should be either Objective-C and/or Swift
- The source code should be without any errors and warnings and needs to compile on latest XCode without any further coding or configuration effort;
- The source code should be targeted for the most recent version of the platform and at least needs to run in the simulator/emulator;
- The definition of the user interface is completely up to the candidate. However, we strongly advice to take in account platform-specific best practises and common patterns;
- The candidate can use any frameworks and libraries; however, take in account clarity and future maintainability by you and/or fellow developers;
- Use the JSON-based data source available at https://firebasestorage.googleapis.com/v0/b/wk-ua-ios.appspot.com/o/members.json?alt=media&token=b2547079-7610-44c0-bc76-c0d95af2e7de -Note that you need to use this external resource, just copying the content and storing it in a local file is not enough!
- Note that photos might be missing and can have different formats;
- The application should consist of two views:

o Main view:

- The main view should contain a list with employees categorized per department;

▪ Each item in the list should display full name and thumbnail of the photo (if present);
▪ Clicking an item will cause the application to open the detail view.

o Detail view:

▪ The detail view should display the following information of the

selected employee:

- Full name;
- Thumbnail of the photo;
- Department;
- Role.
▪ A button should be available causing the default email client to be opened with the "To" address filled in with the email address of the employee;
▪ Clicking the photo should open an image viewer allowing the user to see a bigger version of the photo.

Examination
When finished, please send the source code as a ZIP file to your contact person within Wehkamp. The source code will be examined by one of our engineers.
Good luck with this assignment. If you have any questions, don't hesitate to ask your contact person within Wehkamp.