

Test Case Mobile Development (Android/iOS)

Introduction

Welcome to the software developer candidate assignment. Your task is to implement a mobile client for a RESTful JSON API.

API specification

The API provides a catalog service, where the items in the catalog are photos (accessible via URL) with a short text description (string) and a confidence value (float). The database already contains 30 items.

Please note that all the requests to the API require a custom key in the header for authentication purpose. You will receive a unique ID-token per email.

```
Authorization: {your-ID-token}
```

Resources

GET <https://marlove.net/e/mock/v1/items>

Retrieve a list of all items in the catalog (10 per request). The following request parameters can be used for pagination:

Name	Type	Required	Description
since_id	String	optional	If specified, it returns items with an ID greater than (that is, more recent than) the specified ID
max_id	String	optional	If specified, it returns results with an ID less than (that is, older than) or equal to the specified ID

Assignment

- Build an application that shows a list containing the items in the catalog. All the fields need to be visible in the UI (including the ID).
- Selecting an item from the list should open a detail screen.
- The application should cache the loaded items between application launches.
- The application should support pull-to-refresh and loading of new items when the end of the list is reached.
- The project is structured in a logical way that allows future extensions in terms of functionality and maintainability.
- The project should be testable and contain some unit tests.
- The app should support device orientation change (landscape and portrait).