Share Extension exercise

# Purpose of this document

This document outlines the requirements for an exercise for iOS share extensions and code/data sharing between the app and the extension.

# Task overview

Create a simple application that simulates image upload. It should have the following features:

* Login user screen – mocked login with prefilled username and password. Mocked login method. Login info is saved in User defaults, both implementation and data must be shared between the app and the extension.
* Choose images from local library – simple gallery view of the user’s images, where he can select several to upload. The selected images are copied to a folder in the app’s directory and then an upload is simulated. The folder must be the same for the main app and extension.
* Select upload location screen – simple screen where the user chooses one of several predetermined locations to upload the images to. Must be shared between main app and the extension.

The app should mock these features:

* Networking, that just sleeps for 2 seconds on upload and returns success. Ignore failure scenarios.
* User login and token. The token is a locally generated uuid string, saved in User Defaults. Login should happen only once when the app starts. Ignore token validation and expiration scenarios.