Maha - Mobile (iOS/Android) Engineer - Coding Challenge

Welcome to Maha's mobile coding challenge! The following document is split into three main sections:

- Your task - This section outlines the problem we would like you to solve.
- Our expectations - Here we layout our expectations so it's clear where you should focus your time.
- How we review - We want to be open about how we're assessing our candidate's solutions, this helps us maintain consistency as well as provides you with further clarity about what we are looking for.

Your task

We would like you to build a simplified photo booth application which allows the user to take photos and see previously taken photos.

Provide 2 options in the main screen:
- Take a photo
- View Photos

When the user selects "Take a photo", allow the user to take a photo using the default mobile camera functionality, and then allow the user to give the photo a name. The photo, name and creation time should be stored on the device locally. When done, the app should return to the main screen.

When the user selects "View Photos", show a list view with the thumbnails, name and creation time of all photos in the database. When an item in the list is clicked, show the selected photo in full screen with an option to go back to the list view.

Our expectations

We expect this task to take 3-5 hours but we purposefully don't specify a hard time-limit. This is because we don't want this task to take over your weekend, nor do we don't want to impose an unnecessarily stressful deadline.
How you approach the problem is more important to us than completing the challenge, therefore we expect you to include the following:

- A **README** that documents how to set up and run the application, how you approached it and what you would improve.
- Whether you are submitting your solution via GitHub or compressing the solution into one zip file we would appreciate it if you include the **Git commit history** so we can get a view on how you break down problems and how you work.

How we review

We will evaluate your solution based on the following five themes:

- Correctness - We don't expect you to handle all edge cases, but we do expect the solution to adhere to most of the requirements laid out in this document.
- Documentation - For us, this is more about including clear and concise README and the commit history documentation and less about covering the codebase in comments.
- Testing - We also evaluate your approach to automated testing
- Readability - Writing code in a team requires having empathy for how other team members will interpret that code. Here we look for things like duplication, method names, variable names and consistency.
- Application architecture - Here we tend to look at whether the solution follows a conventional architecture based on the language and framework. We also expect to see some modularisation with a few separate components that have clear responsibilities.

Thank you for reading and thanks for taking part in our interview process. We look forward to receiving your solution!

The Engineering Team at Maha