

Gelato Mobile Coding Challenge

The Basic Problem

Build a mobile application (Flutter / iOS native / Android native) that displays a list of images as a gallery (thumbnails). A user can tap the thumbnail to see a full screen picture with the possibility to zoom in/zoom out.

Details

The requirements for the app are:

1. Use: <https://picsum.photos> to get list of photos
2. The user can tap the photo
3. The user can see a full screen image
4. The user has infinite scroll on gallery page

Part of this challenge is designing the UI for this app. You are free to design the UI as you see fit as long as the app meets the requirements.

Extra Credit

You are encouraged to extend this project and add features as you see fit. Our only suggestion is that these extensions should add to, not subtract from, the user's experience.

If you want to add extensions but aren't sure what to do, here are some suggestions:

- Unit tests
- Snapshot tests
- Cache for images
- Cache for requests
- Allow to save photos to local gallery
- Allow to share the photo with social media

You should structure your code using object oriented programming principles as if it were part of a larger project. You should use abstractions that make your app modular and easy to extend.

Submission

- Please submit your code sharing it on Github (or Google Drive as a secondary option)
- If running your code requires special instructions, please add details to the readme.txt
- If you extended the project, describe the extensions briefly in the readme.txt

Evaluation

You will be evaluated on the following criteria (not in order of importance)

- User interface
- User experience
- Functionality
- Cleanliness of code
- Re-use and Extensibility

Thanks for investing your time.

We hope you learn things through this challenge, and have fun while at it.

Good luck! :D