Mobile development coding challenge

The aim of this exercise is to create a mobile app that helps with displaying NASA’s Astronomy picture of the day

Basic feature set would be -

* Allow users to search for the picture for a date of their choice
* Allow users to create/manage a list of "favorite" listings
* Display date, explanation, Title and the image / video of the day
* App should cache information and should display last updated information in case of

network unavailability.

Extra Credit –

* Dark mode support
* App should handle different screen sizes, orientations

You will use NASA’s open APIs ( <https://api.nasa.gov/> ) and in particular, the APOD ( Astronomy picture of the day ) resource.

You are free to choose any third party libraries, but we expect you to understand their internal implementations and trade-offs, if you choose to use them. Also expect questions around how would you implement similar features if these libraries were unavailable.

Things we’ll be paying close attention

* App stability (Handling of conditions, edge cases, flaky network and so on)
* Optimal memory utilization, thread safety considerations
* Robustness of code (Structuring of code for extensibility, good coding practices, use of appropriate data structures and algorithms)
* Overall UI look and feel
* **PERFORMANCE**
* **Documentation**

**Submission:**

* Upload all code to a **public** **repository** on github.com and share link as submission
* Be sure to document any custom requirements / steps to run as part of the repository readme.
* Be sure to link to any vendors you have used apart from the recommended <https://api.nasa.gov/> APIs in the readme.
* A point of contact within the mobile platforms team will start an email thread with you to help resolve any queries during the course of this exercise.

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