

Create an iOS app to display NASA's Astronomy Picture of the Day

Instructions

- Connect to NASA's APOD REST API (https://api.nasa.gov/planetary/apod?api_key=NNK0jkoul8n1CH18TWA9gwngW1s1SmjESPjNoUfo) and parse the JSON response payload
- Display an error message if the server response code isn't 200 or 202.
- Display the picture of the day in the centre of the screen, at its original aspect ratio with a height equal to half of the screen height.
- Display the picture title below the image, centre align the text, and word wrap if more than one line is needed to render the title.
- Create another screen to display the image at full-screen size (while still maintaining its aspect ratio). Create a custom transition so the user can tap the image to transition between the screen with the original size and the screen with the full size. The text should fade in and out as part of the transition and its duration should be 0.35 seconds.
- Please add unit tests wherever you see fit.
- Use the latest production version of Xcode available on the App Store.

Notes

- Check out NASA's documentation on the API (<https://api.nasa.gov/?search=APOD>) and ensure your code can handle different types of data (though rendering videos is beyond the scope of this assignment).
- We don't just want to see if you can build this app, we're looking at how you go about it. Please treat this more like a typical work task than as a test, and feel free to provide any notes on what you would do next if given more time.
- We want to encourage you to make your own choices. Hence, feel free to make your own decisions if something is not clear in the instructions. What is important is not the choices that you make, but the reasons behind them.
- Once you are done, zip the entire project folder and send it on email. Do not upload the assignment to any remote repository (i.e. GitHub, Bitbucket).