iOS Coding Exercise

Purpose

The following exercise is intended to evaluate your coding skills, coding style, design decisions and your adherence to *good software coding practices*.

This is your opportunity to show what you can do. We are NOT judging the application as a product, so polish is less important than the underlying code.

You may choose either of the following…

To submit your exercise, use GitHub (https://github.com) .
To submit your exercise, host the entire project on Google Drive, share access with us, and send us the necessary information to access the drive.

Problem Statement

As a user,

1. **I would like to be able to view a list of earthquakes with relevant information for up to the last 30 days. You are to decide what is the "relevant" information.**
2. **From an item in the list, I would like to be able to navigate to the USGS page about the specific earthquake.**

Note: You may go beyond these requirements. However, if you chose to do that, insure the minimum requirements are met (below).

Note: It is not necessary to take all the steps required to publish the application. It will be built from the source code and run on actual devices.

Things to do

Use Xcode 11.x
Write the code in Swift (not Objective-C)
Build for a minimum SDK target of 12.0

The Application should be targeted to both iPhone and iPad (universal application). It should also support landscape and portrait orientations.

Things NOT to do

Do not use any third party libraries.
Do not use any copyrighted art or documents. (You will not be judged on your artistic capabilities)
Do not copy code from the internet. You may leverage code you find there, but make it your own.

API

There are several public APIs that can be used to acquire earthquake data; however, it is requested that you use the one documented at https://earthquake.usgs.gov/fdsnws/event/1/ (You should not have to acquire an API key). Use the geojson format.

Minimum Requirements

Be sure you meet the absolute minimum requirements

1. Application must meet the minimum features described in the Problem Statement
2. Application must not crash with usage
3. Application should recover in some way from loss of connectivity

Questions

If you have any questions, please contact Silas Marshall.