



PROJECT

Virtual Tourist

A part of the [iOS Developer Nanodegree Program](#)

PROJECT REVIEW

CODE REVIEW 2

NOTES

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Meets Specifications

Good job overall, I left a couple of comments and tips :)

Core Data



The app contains a correctly configured managed object context backed by a local SQLite store.



The app uses a managed object model created in the Xcode Model Editor. A `.xcdatamodeld` model file is present.



The object model contains both Pin and Photo entities.

Good job.



The object model contains a one-to-many relationship between the Pin and Photo entities, with an appropriate inverse.

Good job, I recommend using the cascade delete rule for your photos.

Travel Locations Map View



The app contain a map view that allows users to drop pins with a touch and hold gesture.

Good job, exceed the specs by making the pin draggable until the user lifts their finger.



When a pin is tapped, the app transitions to the photo album associated with the pin location.



When pins are dropped on the map, the pins are persisted as Pin instances in Core Data and the context is saved.

Photo Album View



When a Photo Album View is opened for a pin that does not yet have any photos, it initiates a download from Flickr.

Great job, exceed specs by pre-fetching the flickr data.



The code for downloading photos is in its own class, separate from the PhotoAlbumViewController.



Images display as they are downloaded. They are shown with placeholders in a collection view while they download, and displayed as soon as possible.



Image data is stored in files in the Documents directory. Corresponding paths are stored in Photo instances in Core Data, with a relationship to the pin.



Once all images have been downloaded, the user can remove photos from the album by tapping the image in the collection view. Tapping the image removes it from the photo album, the booth in the collection view, and Core Data.



When a photo is removed from an album, or when an entire album is deleted, the PhotoAlbumViewController explicitly deletes the underlying file(s) in the Documents directory.



The Photo Album view has a button that initiates the download of a new album, replacing the images in the photo album with a new set from Flickr.



If the Photo Album view is opened for a pin that previously had photos assigned, they are immediately displayed. No new download is needed.

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