Step 1: Fetch data an API

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Add the url to fetch data from the REST API, this code will read through the JSON file and print it in the console.

Step 2: Convert returned JSON data into a custom model.

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In this step we encode the JSON data so it can be read into the models, and we reformat the date string to an acceptable format, so it can be properly added to the model.

Step 3: Load fetched data in the table view.

A screen shot of a cell phone

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Now we add the DispatchQueue function so we can retrieve data and present it into the table view, plus we use the reload Data to get the new data.

Step 4: Add a Tab Bar controller.

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Now we add identifiers and image symbols to the tab bar.

Step 5: Add another Tab.

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Now we add the second tab that will hold the Albums screen by connecting the second navigation bar to the tab controller as view controllers.

Step 6: Fetch albums from the iTunes Search API.

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In this code we use the same model of structure and calls to the API to receive the Albums images, we only change a few things to specify that are only images and we keep applying the decoded function to it so its added into the model.

Step 7: Add Collection view via storyboard.

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Add a collection view to the second view so we can organize the album images into the screen.

Step 8: Setup custom collection view cell.

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Now we add an image view to the cell view and create an outlet to make modification in the class.

Step 9: Setup collection view.

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Now we add the methods to pull the data into the view collection and the image view and generate image views for all the images in the JSON file.

Step 10: Update the collection view’s layout.

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Now we set up the format for the image view and cells to be presented in the second view that hold the albums.

Final product:

