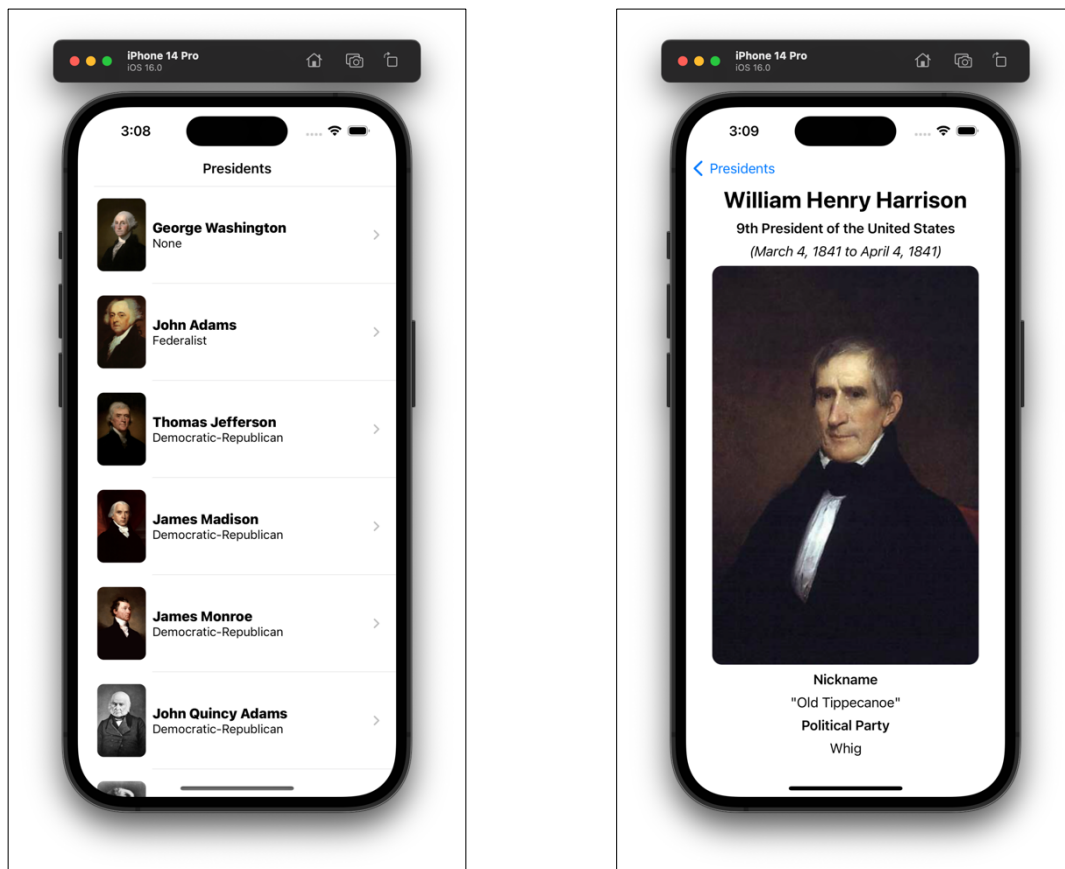# CSCI 321/521 Assignment 5

Assignment

In this assignment, you will modify the master-detail application you wrote for Assignment 4 to download and display information about Presidents of the United States.

Program

Create a master-detail application that will download and decode JSON data display it in a `List` (similar to the recent MCU demo).

Screenshots

Here are some screenshots of what the master view and detail view for your app might look like:

Input

A file of president data is available in JSON format at the following URL:

```
https://faculty.cs.niu.edu/~mcmahon/CS321/presidents.json
```

The JSON data is in the form of an array of JSON objects (dictionaries) each of which contains information about a president. Each object has eight key/value pairs containing information for a president. Here's an example listing of one of the JSON objects:

```
{
    "Name" : "Andrew Jackson",
    "Number" : 7,
    "Start Date" : "March 4, 1829",
    "End Date" : "March 3, 1837",
    "Nickname" : "\"Old Hickory\"",
    "Political Party" : "Democrat",
    "URL" : " https://www.potus.com/wp-content/uploads/07_andrew_jackson_1_gallery.jpg"
}
```

(The JSON file is viewable in a web browser if you want to examine the exact structure of the data.)

Notes

- Sort the presidents in ascending order by number.
- To convert 1 to "1st", 2 to "2nd", etc., use a NumberFormatter with the style NumberFormatter.Style.ordinal.
- The source images you will download are 300 x 450 by default.
- Files added to your project must be copied in, not added as symbolic links. Make sure that the check box that controls this is checked when you add a file to your project.
- Your app should include app icons. An image for this purpose are available in the resources for Assignment 4 on Blackboard.