

# CS 2680 – iOS Mobile Application Development

## Midterm Assignment – Sports Table View App

### Instructions

Create an application that will allow the user to view a list of sports games read from a JSON file. The application will use a Navigation Controller to display three table views.

- The first view will let the user choose a week
- The second view will let the user choose a sport
- The third view will display a list of games for that sport

### Details

The initial view should be a Table View that displays two weeks to select from.

Selecting Week 1 will load the data from sports\_week\_1.json.

Selecting Week 2 will load the data from sports\_week\_2.json.

After selecting a specific week, the app should then display a Table View that presents the user with one row for each sport defined in the loaded json file under the 'leagues' key

Selecting a sport will load a new Table View that displays one row for each game in that specific league.

Each game Table View Cell should display the following information for both the home team and the visiting team:

- Team City
- Team Name
- Team Logo Image
- Team Score (if the game state is "Final")

The game state for each game can be found using the 'game\_state' key. There are two possible game states, 'Final' and 'Pregame'. If the game state is 'Final', display the team scores. If the game state is 'Pregame', display the game time instead.

### Screenshots

Use the attached screenshots as a guide when building your application

### JSON Files

Attached are the two JSON files needed for the application: 'sports\_week\_1.json', and 'sports\_week\_2.json'. Add these files into your project and load the data.

### Grading

Weeks Table View	/ 5
Sports Table View	/ 5
Games Table View	/ 10
Layout and Design	/ 5