Lab 7 – Table View App with Master and Detail Views

CS235IM, Intermediate Mobile Application Development: iOS

Introduction

The purpose of this lab is to give you practice using a TableView with an index and detail view.

Group A: Programming Languages

Create an app that uses a TableView to display a list of programming languages. You should include at least 50 languages. The table will have an index (alphabetical or by date).

Each table cell should display the name of the programming language and some other information, like the year of release. The year (or some other information) can be displayed to the right of the language name, like this:

- Pascal, 1970

When you click (touch) one of the cells in the table, the detail view will be displayed and show additional information, like:

- Chief Developers: Niklaus Wirth, Kathleen Jensen
- Predecessors: ALGOL 60, ALGOL W

Here is a list of programming languages:
https://en.wikipedia.org/wiki/Timeline_of_programming_languages
Note: You can click "Edit" at the top of each table and get a list that has each item of information on a single line. This is easy to copy, paste, and edit to make a list to use in your code.

Group B: Table of Elements

Create this table similarly to the one described above. It will have an alphabetical index. Each table cell will display the name of the element and some other information, such as its symbol, like:

- Germanium, Ge

The detail view will show additional information, like:

- Atomic number: 32
- Period: 4

Here is a list of Elements: https://en.wikipedia.org/wiki/List_of_elements
Note: You can click "Edit" at the top of the table and get a list that has each item of information on a single line. This is easy to copy, paste, and edit to make a list to use in your code.

Alternative lab assignment

Propose an app of your choice that is similar to the one above, but that has a master view displaying some other kind of information, like a list of books or movies. There should be at least 50 items in the master list (TableView) , it should have an index and a detail view that shows some additional information about the items in the master view.

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