

school of **computing, informatics, & decision systems engineering**

CSE 335: Principles of Mobile Application Development, Fall 2021
Homework 2: Travel App – Customized TableView with Sections Due:
November 7th by 11:59 pm Online
100 Points

Note: This homework is an individual homework. Please do not collaborate. Also, this homework should be completed in XCode using swift.

Description: You will be extending the Device list app that you have developed in Lab 4 by making the table view a section enabled table view. Create a table view app where the main view will have list of different smart devices. Once user selects a device, app should go to the detail view. The detail view should show the name of the device selected, a picture of the device and a small description (one sentence is sufficient). The app should be able to select a picture from the device's photo library. In particular, your app should have following features

Your table view app should have following features

- A) Table view should show a pic of the device and the name of the device. By clicking a table row, once can see the detail view of the device
- B) Delete a row
- C) Add a row (implement the feature to add an image of the place also using camera or photo library)
- D) Edit a row – Change the image and the description of the place

Design Requirements:

- Properly implement the MVC architecture
- Table cell must be formatted as a custom cell with a separate swift file based on the UITableViewCell class (see fruit table custom cell example). Also, your images need to be formatted as a circular images or same size square images for each table row.
- Table view should be organized as sections where section headers are letters of the English alphabet (A through Z). All the city names start with letter A should be in the section A ...etc.

Grading Criteria:

Incorporating all the features listed in the homework – 60
pts Proper implementation of MVC architecture – 25 pts
Neatness and the quality of the UI – 15 pts

Submission Instruction

Make a zip file of your project folder and submit online