

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

CSE 394: Principles of Mobile Application Development, Spring 2016

Homework 2: Travel App – TableView and CoreData

Due: Sunday 28<sup>th</sup> by 11:59 pm Online

150 Points

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**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 completing the travel location app with core data in this homework. Create a table view app where the main view will have list of places you have visited. Once user selects a place, app should go to the detail view. The detail view should show the name of the place selected, a picture of the place, and a small description (one sentence is sufficient). Data for the table view should be taken from core data persistent data storage.

Your table view app should have following features

- A) Core data with your location information (you are free to design your own core data structure to represent above requirements)
- B) Table view should show a pic of the place and the name of the place. By clicking a table row, once can see the detail view of the place
- C) Delete a row
- D) Add a row (implement the feature to add an image of the place also)
- E) Edit a row

## **Design Requirements:**

- Properly implement the MVC architecture that model your data using core data and the related model classes
- Table cell must be formatted as a custom cell with a separate swift file based on the UITableViewCell class (see week 6 custom cell example). Also, your images need to be formatted as a circular images.

## **Grading Criteria:**

Correctness of the application – 25 pts

Incorporating all the features listed in the homework – 75 pts

Proper implementation of MVC architecture – 35 pts

Neatness and the quality of the UI – 15 pts

### **Submission Instruction**

Make a zip file of your project folder and submit online to the blackboard