**INFO 6350 Fall 2024**

**Assignment 9**

1. This assignment will consist of modifying the previous assignment in storyboard to dynamically retrieve the data to populate your model.

* Use API endpoints to retrieve at least policy and customer data, including customer profile pictures
* Update your insurance policy system to dynamically fetch insurance data from an API or a mock API created at mockapi.io (<https://mockapi.io/projects>).
* Some of these providers will require you to register to get an api key to include in the url when you make the request. Choose the one that is more convenient to you.
* The data can be in either XML or JSON format depending on your choice and the API you are using
* Use an XMLParser to parse the received data (if in XML format) or a JSON parser (if in JSON format)
* You may need to tweak the data if your data model does not completely match the received data.
* As we have seen in the lecture, always make sure to check for Network reachability before you place your HTTP request (if applicable)

1. Make sure your app runs and displays fine on different iPhone models. (should correctly adapt to different sizes)
2. Make sure the keyboards are according to the fields in the app (Number Pad for int field, Normal keyboard for Strings)
3. Make sure the display scrolls up and the fields hidden behind the keyboard scroll up as the keyboard pops up on the screen.

**Model Adjustments**:

* Update your data model for the customer entity to include a property for the profile picture (e.g., a URL to the image).
* Make any necessary adjustments to ensure compatibility between your model and the data received from the API.
* **Persistence**: Use Core Data/SQLite to store the selected images. Ensure that the images are properly associated with the customer's profile and retrieved correctly for display.

**Update Feature**: Add functionality to update the customer’s profile picture:

1. Allow users to select or upload a new profile picture from their device using UIImagePickerController.