**PET FEEDER FOR IOS**

***Final Project for CS523 Programming the IoT using iOS***

*Mar. 24th , 2018*

**Group Members**

*Gaojie Li, Zheng Li, Jingting Zhang*

**Description**

In this project, we will use xcode and a micro-processer to develop an iOS application that will allow users to feed their pets using phones when they are absent from home. To implement the function, we will connect the phone and the micro-processer to a same Wi-Fi. And with this application, users will be able to register their own accounts, record basic information for their pets and decide when to feed their pets.

**Features List**

* ***Part 1: Allow Users to***
* Register Accounts*(Username must be unique)*
* Log In/Out
* Change/Reset Password
* Add/Delete/Modify the Basic Information of Pets
* ***Part 2: Create Connection between Phones and the Micro-processer***
* Create Connections
* Record Devices that have been Connected
* Delete a Recorded Devices
* ***Part 3: Once Connected, Allow Users to***
* Open the Feeder at once
* Set a Time to Open the Feeder
* Set the Time Interval between Opening and Closing the Feeder

**TimeFrame**

***Before 2nd Deliverable(Apr. 2nd)*** Implement Part 1

*Register Accounts* for Gaojie Li, *Log In/Out* for Zheng Li, *Change/Reset Password* for Jingting Zhang and together implement *Add/Delete/Modify the Basic Information of Pets.*

***Before 3rd Deliverable(Apr. 16th)***Implement Part 2

*Create Connections* for Gaojie Li, *Record Devices that have been Connected* for Zheng Li, *Delete a Recorded Devices* for Jingting Zhang.

***Before Final Deliverable(May. 4th)***Implement Part 3

*Open the Feeder at once* for Gaojie Li, *Set a Time to Open the Feeder* for Zheng Li, *Set the Time Interval between Opening and Closing the Feeder* for Jingting Zhang.