Homework Week 5
Due: May 14th

The purpose of this assignment is to demonstrate your understanding of building apps that access Amazon Web Services and View transitions.

•Follow the Human Interface Guidelines when designing your app's UI

Functional Requirements
The app should consist of:

- An app built using the Apple Master/Detail template for iPhone that connects to Azure Web Services using the iOS SDK (details below) that:
  - Inserts data into the homework domain using the dataitem and student columns
  - Reads data from the homework domain and populates the UI
  - Captures an image from the camera
  - Uploads the image to S3 (AWS blob storage)
    o Be sure to use a "bucket" name of "picture-class1"
    o Be sure to use a unique name (include your UWNetID) for your upload
  - Downloads the image from S3 and fades it in to an UIImageView

The AWS SDK for iOS can be found here:

https://aws.amazon.com/sdkforios/

In your AppDelegate.h, import the SDK like this:

```
#import <AWSSimpleDB/AWSSimpleDB.h>
#import <AWSRuntime/AWSRuntime.h>
#import <AWSS3/AWSS3.h>

#define ACCESS_KEY_ID          @"AKIAJSSOLT3RALF6JNDQ"
#define SECRET_KEY
@"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"

#define CREDENTIALS_ERROR_TITLE    @"Missing Credentials"
#define CREDENTIALS_ERROR_MESSAGE  @"AWS Credentials not configured
correctly."
```

```
@property (strong, nonatomic) AmazonSimpleDBClient *sdbClient;
@property (nonatomic, strong) AmazonS3Client *s3;
```

Finally, in your AppDelegate.m instantiate the property using this code:

```
    self.sdbClient      = [[AmazonSimpleDBClient alloc]
initWithAccessKey:ACCESS_KEY_ID withSecretKey:SECRET_KEY];
    self.sdbClient.endpoint = [AmazonEndpoints
sdbEndpoint:US_WEST_2];
applicationKey:@"MiYEeTYZcZFRzRljRWKTXDmmhyxMZx21"];
```

When inserting into the homework table, as we did in class, always provide your UWNetID as the value for the "student" column

Other links

Animation tutorials
◦ http://www.raywenderlich.com/2454/uiview-tutorial-for-ios-how-to-use-uiview-animation
◦ http://captechconsulting.com/blog/tyler-tillage/ios-7-tutorial-series-custom-navigation-transitions-more
◦ http://www.tutorialspoint.com/ios/ios_ui_elements_view_transition.htm
◦ http://www.teehanlax.com/blog/custom-uiviewcontroller-transitions/

Information about the Token Vending Machine

http://aws.amazon.com/articles/Mobile/4611615499399490

Simple DB FAQs

• https://aws.amazon.com/simpledb/faqs/