# CSC 436 Final Project: MySurfSesh

## Description

MySurfSesh will provide surfers an enhanced diary for their surf sessions.

## Overview

All surfers want to ride the perfect wave; unfortunately, waves are normally far from perfect. It takes dedication and a thorough knowledge of location-condition combinations to predict wave quality from forecast data. A surf journal will aid surfers by recording many past location-condition combinations that can then be used to make meaningful predictions about future conditions.

MySurfSesh will launch with a map locating all major surf spots in the world, but will be focused on spots near the user. The user can use this information to find a spot and then record a surf session at that spot. A session entry will include a location, a time range, a rating, and any additional notes the surfer wishes to record -- this is intended for the conditions the surfer experienced during the session. All the sessions will be stored in an online database using backend services and can be viewed/accessed/searched for in another scene.

## Anticipated API's

- Map
- GPS
- AWS DynamoDB

## External Data Sources

- Any source that provides a list of name/location pairs for every surf spot in the world
  - This data will be stored in a read only table of the AWS DynamoDB

## iOS Experience

Although I have had over a year's worth of Android experience, this class is the first environment in which I have developed with iOS.