**Project Name**

**Analysis Document**

**Version 0.0 - 5/29/2017**

**1. Introduction**

Study Group Finder is a web-based application that allows students in any university to post and find study group locations. By doing so, students will be able to help each other achieve their academic goals as well as make new acquaintances.

**2. Object Classification**

**2.1 Entity Objects**

Host- Host user of the beacon

User- a registered user

Chat Database- The chat database so users can communicate

Beacon List – a list of beacon objects for the user to select from

Beacon – a beacon created by a host user opened to all users

**2.2 Boundary Objects**

BeaconCreationWindow- Window where host creates beacon

HostWindow- window specific to the host

BeaconControlWindow- Shows all beacon related information to user

ChatWindow- Window with chat messenger

**2.3 Control Objects**

CreateBeacon- creates beacon

ValidateBeacon- validates beacon

FailedCreation- notifies of a failed creation

RegisterBeacon- registers a beacon to the UI

RelocateBeacon- Relocates the beacon

ExtendBeacon- extends life of the beacon

CloseBeacon- Closes the beacon

LeaveChat- allows user to leave chat

JoinChat- allows user to join chat

SendMsg- allows user to send message to chat

**3.Diagrams**