5.1 Introduction

The concept for the nightlife app is to be an app that bars and clubs could use to show: how long the wait is at any given time, what the cover charge is, how full the bar/club is, prices of food or drinks, and current or upcoming promotions

This app would be a extremely helpful for patrons to determine whether or not they would choose that establishment or another. The app would also have a yelp style aspect as well where patrons who checked in on the app could review the bar or club.

The rating for each bar/club would be an aggregate of the all the reviews posted. The app will use a database in order to save the rating of each of the scores.

To create this app I will be using xcode 7 as the IDE and swift as the programming language.

The remainder of this document is structured as follows. Section 5.2 contains Functional Requirements, Section 5.3 contains Performance Requirements, and 5.4 contains Environment Requirements.

5.2 Functional Requirements

The expected functionalities for the completed system are a runnable iPhone app that when opened will display a list of bar and clubs. Each item on the list will contain base information about each bar such as cover charge, how full the bar is, and line wait time. If a user taps on an item on the list it will display on a separate page more details about the bar/club. Users will also be able to search for bar/clubs. Users will also be able to search for bars/clubs based on promotions or events. Users will be able to create accounts and sign in. Users will also be able to check in to a bar they are at. When a user checks in they will be allowed to post a review about the bar. The rating for each bar will be separated into days so a bar might have 2 stars on Monday but 5 stars on Friday.

    5.2.1 Graphical User Interface

        5.2.1.1 The GUI shall provide a menu system login and to access all functions of the application.

        5.2.1.2 The GUI shall provide a way to effectively sort though the list.

        5.2.1.3 The GUI shall accept touch base interaction.

        5.2.1.4 The GUI shall display up to date information of the cover charge, how full the bar/club is, and line wait time

    5.2.2 Database

        5.2.2.1 The Database shall store all user account data, bar/club data, bar/club account data and a the rating of each of the bars.

5.3 Performance Requirements

    5.3.1 Bar/Club List

        The List will hold at least 20 bars before having to load more

        The List shall generate in less than 20 seconds after the app is opened

5.4 Environment Requirements

    5.4.1 Development Environment Requirements

The IOS app will be developed using Xcode 7 and swift

5.4.2 Execution Environment Requirements

The app will require an iPhone or iPad to run