qwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmrtyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmrtyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmrtyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmrtyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmrtyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmrtyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmrtyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnm

|  |
| --- |
| **CS251**  **Software Engineering I**  Location based social network  Software Requirements Specifications  October/2015 |

Contents

[Team 3](#_Toc402452669)

[Document Purpose and Audience 3](#_Toc402452670)

[Introduction 3](#_Toc402452671)

[Software Purpose 3](#_Toc402452672)

[Software Scope 4](#_Toc402452673)

[Definitions, acronyms, and abbreviations 4](#_Toc402452674)

[Requirements 4](#_Toc402452675)

[Functional Requirements 4](#_Toc402452676)

[Non Functional Requirements 4](#_Toc402452677)

|  |  |  |  |
| --- | --- | --- | --- |
| ***ID*** | ***Name*** | ***Email*** | ***Mobile*** |
| ***20130258*** | ***Merit Magdy Mohamed*** | ***Meritmagdy265@gmail.com*** | ***01118607505*** |
| ***20130265*** | ***Nada Abdel Nasser Gabber*** | ***nada4960@yahoo.com*** | ***01146042579*** |
| ***20130248*** | ***MennaSabry*** | ***Mennasabry@outlook*** | ***01122664738*** |

**Document purpose:**

This software requirement is made to collect the requirements that client needed in his project and to analyze all the functionality that software could perform.

**Document audience:**

This document will be sent to the client and the project manager.

**1.Introduction**

**1.1 software purposes**

The main idea of this software is **location based social network,**our software will identify the location of users through GPS, mobile E-mail and text.

Users will be able to share their locations to each other; they could recommend places to each other too through tastes,tips and rating.

**1.2 software scopes**

**1.2.1 Users**

Users will register and sign in to the application.

There are two types of users.

**1.2.2 Places**

Our system should initially containalist of popular places, each user check in to any place.

Places have tips and rate.

**1.2.3 Messaging system**

Users could chat to their friends.

**1.2.4 Brands**

It allows company to create pages of tipsand allows users to follow the company and receive special tipsfrom them.

**1.2.5 Tastes**

Each place has a list of tastes and places, owners could add tips to their place profile, users could add tips for their profile about places that they check in before.

**1.2.6 Notifications**

Users will receive a notification when a new message has been sent ad when fiend request has been sent.

**1.2.7 Lists**

When user open the application a list of places should appear to the user.

1.3 Definitions, acronyms, and abbreviations

|  |  |
| --- | --- |
| Terms | Definitions |
| Tips | Tip is a text recommendation from users to the place. Tip may be about the service in this place. |
| Tastes | Each place in the system has a defined list of "tastes" in particular food items, styles of cuisine or environmental aspects. |
| Brands | Brands allow companies to create pages of tips and allow users to "follow" the company and receive special expert tips from them when they check-in at certain locations. |

**2.Requirements**

**2.1 Functional Requirement**

**2.1.1*Users can register and sign in***

**.**User will register with his/her username, email, password and any additional attributes.

**2.1.2 *Users can check in***

**.**Check in is process that make people announce their location any where though social network (our system) .

**.**User can recommend the place he visited before to his friends through write anything about this place.

**2.1.3 *A premium user can create new brands***

**2.1.4 *User can add another user as a friend***

If any 2 users are friends then each of them should be able to see the check-in of each other in the homepage places list.

**2.1.5 *Users can save specific place***

**.**Users can save specific place into places list to be able to get information about this place at any time.

**2.1.6 *User can send a text***

**.**User can send a text message to another user.

**2.1.7 *User can create chat group***

**.**User should be able to create group conversation like group conversation on Facebook.

**2.1.8 *User can follow the company***

**.**Brands allows companies to create pages of tips and allow users to "follow" the company.

**2.1.9 *Users (place owner) could add tastes***

**.**place owner could add tastes to the profile of his place to make user know about the service of his place.

**2.1.10 *Users (place owner) can change the tastes***

**.**place owner can change the tastes at any time and can add and remove items from theprofile of his place on the system.

**2.1.11*User should receive a notification***

**.**User should receive a notification when something happened in thesocial network.

**2.1.12*User should be able to search***

**.**User should be able to search for the places, and the result of this search should be a list of places.

**2.2 Non-functional Requirement**

**2.2.1 Usability**

System shall provide uniform look and use of icons and toolbars.

**2.2.2 Accessibility**

The system shall provide multi-language support.

**2.2.3 Reliability**

Our system will be perform accoding to its specification.

**2.2.4 Availability**

Our system will be available 24 hours to use.

**2.2.5 Performance**

Error message shoulde be displayed at least in 10sec.

System should respond with each input from user within 2 sec.

