**Team members**

|  |  |  |  |
| --- | --- | --- | --- |
| ***ID*** | ***Name*** | ***Email*** | ***Mobile*** |
| 20130052 | Esraa Saad Ahmed | Esraasa3d7@gmail.com | 01115122501 |
| 20130334 | Mai Ahmed Karany | maiahmedkorany@gmail.com | 01152219823 |
| 20130113 | Hanan Shaaban Abdelmohsen | hananshaban95@gmail.com | 01121321395 |

**Git URL:**

https://gitlab.com/mai\_ahmed/YourGuide\_SW\_Project

# Application name:

Your guide

**Documentation purpose:**

Make summary for the application to define all parts and functions for it.

**Documentation audience:**

Client.

**Purpose:**

Design a system based on location and collect data about locations to help user find what he want.

**Objectives:**

* make the system to help users know the locations sorted by

1. tasts
2. Brand
3. Closest places
4. provide the ability to know the brands and tasts of the user friends
5. Make communication between users by using messages and notifications
6. Provide check in for all users
7. Provide search for all users and places
8. Make follow for brands and users

**Audience for the application:**

The users for the application.

**Scope:**

1. create database and provide it with places and users
2. provide functions to make search for users and brands
3. this application will provide all possible places for the user
4. minimize the effort for searching for places
5. Manage the communication between friends

**Overview:**

All user will register using email and password and username.

And if user forget his password he will receive a code in message through Gmail to be able to change his password.

There are 2 types of users**: normal user** and **premium user**

Both of them have the same functions except that normal user can only check in on already registered places

So when a normal user does a check in, the system should recommend the nearest place to the current location of the user

But a premium user can check in on a new place and register this place in the places DB with new name.

**Places:**

We will make a database and provide it with places and make rate for places and the number of check in for each place and provide tip for each place.

**Messing system:**

We will make a messaging system between users.

**Brands:**

There will be a collections of brands to help user get information about places that he want.

**Tasts:**

By assign a list for a user to write his favorite locations and make suggestions for the user.

User can make edit for this list.

**Notifications:**

The user will get a notification when

1. Get a message
2. Received tips from following brands
3. If there are a comments and likes
4. When user get friend request

**Lists:**

Each user will get a list on his home page contain locations based on

1. tasts
2. brands
3. closest places

**Definitions:**

**Brand:** Collection which contain recommend tips for users.

**Tasts:**  Collection of places which user like it.

**Functional requirements:**

1. User can make an account through any social media for him whether Facebook or g-mail…etc.
2. List of brands will be suggested to new users to follow it
3. List of friends will be suggested to new users to follow it
4. All the user friends will be able to see his brands and any update he make
5. User can communicate with his all friends through messages
6. If the user forget his password he will click on forget password to receive a code in an e-mail to update his password
7. If the user change his country he will be able to get notifications for all brands which contain places in this country
8. The user will get notification from brands if there is any update in it and if there is a message and if there is a follow request
9. If the user accept a friend request both of them will follow each other
10. There if a list of brands for each country
11. If the user make follow and follow request accepted the user will get a notification that his friend request accepted
12. The user will be able to make to check in for his place and if he is ordinary user we will make him make check in for closest places

And if he is premium he will be able to add this place to the database

1. All friends for a user will get notifications if the user make check in
2. If there's a match between user's tastes and a place's tastes then this place should be highly recommended to the user

**Nonfunctional requirements:**

**Usability:** we will provide a simple user interface can be understood by different people

**Performance:** any update in any brand, the user will get it immediately without any late and the application response for each request will be fast as possible

**Security:** only the owner of the account can know the password and no one can access his account and only the premium user can update the database

**Maintainability:** if there is any error the system will tell the user that there is an error and the operation doesn't complete

**Scalability:** System should be able to support up to 1000 simultaneous user