Cairo University  
Faculty of Computers and Information 

**CS251**

**Software Engineering I**

Project Name:2oly Feen

Software Requirements Specifications

Team Names

|  |  |
| --- | --- |
| Name | ID |
| Ahmed Salama Hussien | 20130017 |
| Eslam Mohamed Mohamed | 20130062 |
| Ahmed Nasser  Ramadan | 20130043 |

In GitHub: https://github.com/ahmedsalamay/2olyFeen

1-Introduction

1.1-Software Purpose:

This App is social media application something like face book but depend on locations instead of write posts about news ,feeling …etc. So I can post my location (check in) for example.

It is not full free app some feature need money like make a page (Brand).

1.2-Software Scope:

As this application is a social media app I can add friends and see where they are I can also keep in touch with them and send messages and make grouping conversation so every user will have an account in this app.

With this app to I can save my favorite place and can make page (Brand) so people follow it and see places and it’s tips(a text recommendation from users to this place) that in this page.

User expects when he start the application will enter a user name and password then first thing he will see is the home page.

The content of the home page is list of places have a kind of sorting (nearby, or number of check in in this place).

User also can add a tags (Tastes) to his profile, change it or remove it and places also can have a tags.

For new users a tutorial will be the first thing he will see then a list of words and places are describing and recognizing the tags (tastes) and selecting what he want from them.

A notifications will send to user when an unread message detected, friend request or received tips from following brand.

1.3-Software Definitions:

**Check in**: Check in the process whereby people announce their arrival some places and the system will detect where he is by the GPS and tell your friends where you are.

**Normal user**: user have limited feature like check in ,comment on a check in ,like and send message. He only can not make a Brand.

**Premium user**: have all feature provided by the application

**Tips**: Tip is a text recommendation from users to this place. Tip may be about the service in this place something differ this place.

**Brand:** It is something like a page on Facebook users can follow this brand see a place in this brand only available for premium users and tips are sent to follower as a notification when check in a new place happen.

**Tastes:** it is something like tags in FACEBOOK and user can add, remove, and change tastes and also places

2-Functional Requirements:

2.1 Downloading and installation:

User can download this app from google play store or windows store it is supported for android and windows phone devices.

2.2 Starting application:

when user start the application the logo of the application appear and loading the log in page and see the state of connection to the network if no connection found the message appear to user to try again later or see un updated data .

2.3 Log in:

After the application start a user enter the user name and password he can make remember me to not enter it every time he start the application.

2.4 Sign up:

If he a new user he can make account for free. He will be asked about user name that unique one, password, confirm password, phone number, and birthday.

2.5 Home page: contain a list of places and tips and some buttons like search, comment and like.

2.6 Search:

This is like in google or Facebook so I can search for people or places.

2.7 Add friend:

I can add any user to my friend list.

2.8 Check in:

if I want to tell my friends where I am I can do something named check in its work by GPS for normal user Check in search for nearest popular place and chose it as the location of the user but for Premium user can add his place.

2.9 Add Tips:

I can add some recommendation to the places I check in.

2.10 Add, Change and remove Tastes:

I can add, change and remove Tastes to my profile or the places in my Brand

2.11 Message system:

I can send message to my friends or make group conversation

2.12 Make a Brand:

It is available for premium users to make a brand it’s a page of places and its tips any user can follow it and do like and comment and receive a new tips when a new check in at certain location .Brand has a link to FACEBOOK and twitter.

Finally Owner can text user with new available places.

2.13 Notification: can send to user when a new message received, friend request, new tips, new places in Brand and an update need for the application.

2.14 Rating places:

Places are rating from one to ten (1-10).

The application record the number of check in or saving process happen to this place by users and take it for evaluation.

2.15 Sort lists:

Places should appear to user sorted and user can choose what kind of sorting he want (nearest, rating, best nearest...)

2.16 Allowing multiple payment method:

The user will select the payment method he want (master card, PayPal, visa)

2.17 Profile page:

User can go to his profile and edit anything he want like his picture ,his phone number and his Tastes view his friends and see history of places and check in.

Or he can go to his friend profile see his places he went to.

2-NonFunctional Requirements:

2.1 Usability:

Easy use and simple enough tool bar and icons.

The application have a tutorial for new users.

2.2 Reliability: the application will available for 99% and if any update found user will use old version until new one installed.

No bugs introduced yet, No crashes and only security update will stop the application.

2.3 Implementation:

The application will written in java

2.4 Performance:

Response time should not exceed 0.3 second in normal

Connection but if the connection is too slow message appear to user and the response time will be 5-10 second and efficiently using resource (memory, battery and CPU)

2.5 Interface:

Very simple easy and user can customize his themes choosing colors, background, font size and type of font.

2.6 Security issues:

High security provided for this application to keep premium user‘s money and protect it from any attacking and sensitive data for all users.

2.7 Maintainability:   
any bugs are founded or any changes must be done can easy to maintain and can be add to the application by update or install new version.

2.8 **Portability:**

**The Application will run on android and windows phone device**