**3. Proposed System**

RestaurantFinder provides find a restaurant which users want to and make a reservation for it. Users can search new restaurants and take information about them. Also, after register, they can login the system and look their past reservations. In addition restaurants owners can send a form to admin for adding their restaurants into the system and after admin’s confirmation, new restaurants can be added into the system. Also, restaurant owners can edit their restaurants page and information.

**3.1. Overview**

RestaurantFinder allows users easily find a restaurant and make reservation for it. However, users must register and login the system to make reservation. After login the system, they can make reservation and cancel or edit their reservation. Also, there is users profile and they can enter their profile page and look past reservations. Further more, users can search a restaurant by category or city and access its telephones, photos, addresses and descriptions without logging the system. In addition, restaurant owners can arrange their restaurant page.

**3.2. Functional Requirements**

**Register:** To login the system, users must register the system. Users can access our website register form. They complete the form and they register the system.

**Login:** The system does not allow entering without login. To make reservation, users must log in, after that they can be redirected home page. Database has users’ information which is password and username. System should be able to check at each login process user’s username and password from database, so one user has to have one unique

username and password.

**Change password:** All user kind; users, restautantOwner and admin can change password. They login and enter profile page. They click change password and firtly they fill old password after they fill new password.

**List restaurants:** All users can list all restaurants without login. In home page, there is search field by city as well as by category. Users can search restaurant and look its telephones, photos, addresses and descriptions.

**Make reservation:** After users login, they can make reservation. They select a restaurant and enter reservation date, number of people, table option and description. Thus, they make a reservation and the system send mail which contain reservation information to users .

**Cancel reservation:** There is user reservations page. This page list past and future reservation. Cancel button locates next to all future reservation and if users want to cancel reservation, they click this button and reservation is deleted from the system.

**Edit reservation:** If users want to change reservation ınformation, they can edit reservation their reservations page. Edit button locates next to all future reservation. By click this button, users arrange reservation information.

**Request registerForm:** Restaurant owner fill the register form to request to admin for add their restaurant into the system. They click the “join us” in home page and fill the form.

**Approval-Reject restaurant:** There ara request form in request page for admin. Admin enter this page and he/she can approval or reject button. If he/she approvals request, restaurant is added the systam. If he/she rejects request, restaurant can’t be added the sytem.

**Edit RestaurantProfile:** Restaurant owners can arrange their restautant information. After they login the system and enter restaurants page, if they click edit, they change or add information or they arrange restaurant page.

**3.3. Nonfunctional Requirements**

There is some kind of user who are admin, restaurantOwner and user in the

system. Admin has permission for add new restaurant. RestaurantOwners can edit their restaurants page and information. Lastly, users can login the system and make reservation.

***Usability***

The functionality of the system sufficiently maps to general user-requirements. Usability also

refers to how well the user interface is considered easy to use. Our system is simple and easy

to use. To make reservation are not complicated for users.

***Reliability***

The system should not be allowed entry without input username and password for the site.

User’s and restaurant’s information is kept in database system. Also admin has permission for restaurants. Admin can delete or add restaurants.The protection against unauthorized

use password protection.

***Supportability***

Admin creates new restaurant, restaurant owner arranges their restaurant page and users make reservation and look past reservation. However, such additions may require the system.

New modules can added to the system or some operations can be shut down.

***Performance***

Performance requirements are concerned with quantifiable attributes of the system. Response time for our system should be very low. The system have more than one admin for quick response.

***Implementation***

All users should be able to access their profile page after login the system. Admins functions used by the user are not available through the web.

***Legal***

Users can access after register the system.