**INTRODUCTION**

**1.1 Purpose of the System**

Our goal is to make things easier for people that wants to make a reservation from a specific restaurants. When going to a restaurant people face with a lot of discomforts such as you are going to a restaurant but it is full, so you return empty-handed or you go to a restaurant but you regret it because you didn’t have enough information when you go there. By using our site, people can easily avoid these discomforts because you can see whether the restaurant is full or not and you can also see all of the informations about that restaurant. Also, you can look for more than one restaurant at a time this allows people to search restaurants until he/she finds the one that meets their expectations. So, by using our site people can save a lot of time, also they will have informations on that restaurant beforehand.

* 1. **Scope of the System**

In this project, we designed a website which is about restaurant booking. This project has 4 users and these are Guest, RegisteredUser, RestaurantOwner and Admin. Guests can do sign up and restaurant sign up operations. They can search for a restaurant and also they have the freedom to visit restaurant profiles and read the reviews that has been made before in order to make a decision. RegisteredUsers can do booking operations, can drop a review. They play an important role whether the site is succesfull or not because the site has been made to make things easier for them. RestaurantOwners can register their restaurants to our site if their informations about the restaurant is legit. More restaurants mean that the RegisteredUsers can book from many different sources so this creates diversity. Finally, Admin’s duty is to make sure that the site operates succesfully.He/she can also do operations such as ban or warn, accept/decline restaurant signups. Basically, Admin is responsible for maintaining the site.

**1.3 Objectives and Success Criteria of the Project**

Our objective is to create a platform which helps users to choose a restaurant according to their wishes because in this site there will be a lot of restaurants to choose from. We are also trying to make the reservation process much more smoother, like instead of going to a restaurant and do the operation there(which can cause a lot of problems like maybe it is full etc.) you can do it at home at any time you want. These are the objectives that we are trying to achieve by doing this project.

Our success criteria of the project can be measured by how many people are using this site, do they have any trouble while using the sites’ functions, how many people are actually do a booking instead of just looking and leaving or are they satisfied by the interface of the site.

## 1.4 Overview

So in this RAD we have introduction parts, current system and proposed system, functional overview of the system, functional and nonfunctional requirements, system models which includes scenarios, use case models, object models, dynamic models and user interface which includes navigational paths and screen mock-ups. We also have gannt chart which we set up some milestones and glossary to establish a clear terminology and finally we have references part where we provide a complete list of all documents referenced.

We started our RAD by doing introduction part which includes our purpose, scope, objective and success criterias and defitions. In these parts our purpose is to make the reader understand what we are trying to accomplish, what is our purpose and what is our end-game.

After that we do the current system section, in this section we talked about some disadvantages of current system which gets used by a number of users. We can also say that, in this part we listed all of the disadvantages that we are trying to remove or improve in our system.

In proposed system section, we talked about our system, which we are trying to improve all of the current system sections’ disadvantages. We also explained what can be done in order to improve them and how to do it. Basically we explained what is our systems advantages over the current system.

In functional requirements part, we explained what functions each of our users’ can do. There are different functions for RegisteredUser, Guest, Admin, RestaurantOwner and each of them has different functions and same functions and we specified them.

In nonfunctional requirements part, we divided our system to 5 sub-topics and analyze it. These were Usability, Reliability, Performance, Supportability, Implementation and we explained how our site fulfill these conditions.

In System Models part, we first wrote our scenarios then by looking at this scenarios we wrote use-case scenarios which was a formal version of normal scenarios. Then by looking at this we made use-case diagrams. Then we made our object model by creating UML class diagrams. Finally, we finished our dynamic model which consists of sequence diagrams which represents the interactions among a set of objects during a single use case.

We prepared glossary as well to establish a clear terminology and we finished by providing a references which is a complete list of all documents referenced elsewhere in the RAD.