**1.Introduction**

Today, technology is used for nearly everything in people’s daily lives. Technology is now a part of people that they can never get rid of. Technology makes people’s lives a lot better and easier. One of the products that people use actively everyday is smartphone. People can travel, connect with each other, shop, and do lots of other things with using it. For making these things, mobile applications are being written.

The crossing part that includes travelling and shopping defines our application: “ Name”. “Name” is a mobile bus ticket application located in Turkey.

**1.1 Purpose of the System**

The aim of the system is providing an efficient platform for users so they can search convenient trips to the places that want to travel and buy their tickets easily. Mobile-based application creates an ease for the customers, therefore they can search and buy their bus tickets quickly and without confused with the lots of processes they have to make.

**1.2 Scope of the System**

There are 4 parts of usage in this system: Customer, Guest, Admin, Manager.

On customer part, users can continue using the program either logging in or not. The main function that system provides is buying bus tickets. Application starts with the page that includes choosing functions of destination and date. Users can search their desired trip with this function. Customers who make login to the system, can get a free ticket if they buy 10 tickets before. Basically, system provides customers to search the wanted trips and buy tickets on these trips. Customers can also see their previous tickets, edit their profile information and freeze their account if they want.

Guests can use the system without login. They can search and see the trips that they want and buy tickets with their personal information. However, they can’t benefit on free ticket campaign.

On admin part, users have to login. These users can be defined as the head of the system. They have the authority to do every change on the system. Admin can update users’-both managers and customers- info, delete manager accounts, edit bus schedules such as add, update or delete trips, edit bookings such as update and delete.

On manager part, users have to login. These users can manage booking such as edit and delete them and edit bus schedules such as add, update and delete trips.

## 1.3 Objectives and Success Criteria of the Project

Our objective is to create a system which has understandable, easy to use functions, fast interface which customers can search their targeted trips and buy their tickets quickly, irreproachable payment function which gives customer no suspicion on their safety. Lastly, creating a system which works for 24/7 so the customers can make their operations anytime they want. The success criteria for the project would be:

\*User’s satisfaction

\*The rate of usage

\*The popularity of the system

\*Usefulness

## 1.4 Definitions, Acronyms, and Abbreviations

RAD: Requirements Analysis Document

**1.5 Overview**

This document contains the sections “Current System”, “Proposed System”, “Overview”, “Functional Requirements”, “Nonfunctional Requirements”, “System Models”, “Project Schedule”, “Glossary”, “References”.

In the section “Current System”, we talked about the features and existing situation of the current bus ticket system which is based on buying the ticket on ticket shops. We mentioned the disadvantages of the system such as the wasted time on getting ticket and the disorders on setting up the passenger information and travel plans. We also explained that current system doesn’t satisfy the necessities of today’s world of technological possibilities. We mentioned that the current system stays very primitive with the situation of not using technology. In addition, we represented that current bus ticket system is not futuristic, not fast and requires a lot of man-power.

In the section “Proposed System”, we talked about our new bus ticket system’s features and advantages. We talked about the matters which the technology and the system bring us. For instance, using the system on buying bus ticket makes the procedure very fast and reduced the man-power to the minimal level.

In the section “Overview”, we mentioned the features ,functions of the system and the system itself briefly. In addition, we made the explanation of usage on user’s view.

In the section “Functional Requirements”, we mentioned the functions and properties of our new system. We described the functions of our system in point of our actors: Customer, guest, admin, manager. We lastly advert on the relationship between our actors and the system which includes their interaction with system and their environment.

In the section “Nonfunctional Requirements”, we talked about nonfunctional parts of our new system such as usability, performance, reliability or availability and so on. We described all nonfunctional requirements of our project.

In the section “System Models”, we published scenarios and use cases of our project. We defined scenarios, actors, and use cases, flow events, object and dynamic models and other relevant subjects in this part.

In the section “Project Schedule”, we published our planned schedule of developing the project. We preapared a gantt chart and showed our planned timeline.

In the section “Glossary”, we wrote the terminology of our project and identify the participating objects.

In the section “ References”, we published the list of documents we used during the project development.