**OBJECT DESIGN DOCUMENT**

# **1.Introduction**

* 1. **Object Design Trade-offs**

Firstly, our project name is Online Bus Ticket System (OBTS).This website is related to buying tickets and making ticket bookings. Users who use this system can purchase tickets at the time they want to go or they can booking tickets in advance. The purpose of this document is to describe design and architecture of the OBTS site. The codes used when designing this system and system design are products of our group work and they are unique to us.The OBTS system should be a simple and understandable system.It is also one of the most important features of this system if it is safe.In this system,we use database to store information and this database also increases the system’s security.System keep some information like address, password, SSN number, bus information,vacation information… etc. securely.This project includes some trade-off.As we mentioned earlier,the OBTS system uses a database,and it increase performance.Therefore database is very important for OBTS system. The user who uses the OBTS system ,waits get fast receive feedback from the system in order to search vacation, buy tickets, make reservations.Database provide fast response time. PhpMYADMİN can handle almost any amount of data, up to as much as 50 million rows or more PhpMYADMİN provide high scalability.

**1.2. Interface Documentation Guidelines**

In this system, object design principle had applied. There are two groups of graphical design in this project. First, graphical design for User –Who is registered user or Visitor- side, and other for Admin side. These two designs are designed differently.

Users easily understand the site structure, and they can take easily actions on the site and with this they can easily make them reservations.In registered user side ,registered user can see reservations and ticket that done before, they can make a new reservation. By the way, registered user can buy ticket or delete tickets . Visitor side, Visitor can buy ticket but when s/he try to reserve ticket s/he have to be registered into the OBTS.

The admin panel, is more complex according to user-side. However, it also easy to useable for admin. Menus are clearly identified on the panel.Admin can check all users’ information. Also admin can delete bus and voyage anytime.

Coding standards are important in any development project, but they are particularly important when many developers are working on the same project. Coding standards help ensure that the code is high quality, has fewer bugs, and can be easily maintained. Function names must always start with a lowercase letter. Any file that contains PHP code should end with the extension ".php", with the notable exception of view scripts.