# 3-Proposed Software Architecture

The main purpose of the system is to ensure simplicity of operations. Users should make a reservation easily without any problems.

The system inferface is designed as quite simple, target-driven and easy to use to fulfill our main purpose.Our proposed model of Online Ticket System is MVC. Model subsystems maintain domain knowledge, Viewsubsystems display it to the user, and Controller subsystemsmanage the sequence of interactions with the user. We used MVC model because, in our system, entity objects and data will be in Model (java classes-entities), and Controller(Faces Config in our project) can be called bridge. Controller provides communication and interaction between Model and View. View (Bean in our project) can be call interface between users and our system, thus it has boundary objects.

## 3.1- Overview

In our design, the system has a lot of subsystems. These are: Region Interface, User Interface, Seat Interface, Category Interface, EventType Interface, Event Interface, Place Interface, Login Interface, Profile Information are subsystems for the Presentation Layer. We use “MySQL”. for data access layer.

**User Interface:** provides services for users (user,client and admin) for common interfaces, It has Login Form, Password Change Form and etc.

**Region Interface**:provides services for users to display all regions and to select this region from box.And also provides services for admin to add new region into system.

**Category Interface:**provides services for users to display all categories and to select this category.

**Seat Interface:**provides services for users to display all seats and to select this seat. And also provides services for client to add new seat into any category.

**EventType Interface:**provides services for users to display all types and to select this type(music,sport). And also provides services for admin to add new type to the system. And it provides services for client to add event type into any event.

**Event Interface:**provides services for users to select event whatever they want. And also it provides services for client to add new event into the system.

**Place Interface:**provides services for admin to add new place into the system. And also provides services for client to add place into the any event.

**Login Subsystem:** provides services for users (user,client, and admin) to login.

**Update Profile Subsystem:** provides services for user, client, and admin to update their personal information. In addition, the subsystem also provides the service of changing password for users, admin and client.

## 3.7- Boundary Conditions

Online Ticket System is initialized by the system admin invoking the ‘Initialize System’ use case. Once the initialization of the system is completed, the place, and region are added into system by the system admin. In addition, the system admin initialize the server by invoking the ‘StartServer’ use case. After that, when the system is brought from non-initialized state to steady-state, the system is opened and free for the system users (Users, Client, and Admin) to login. While the users is online and perform their tasks there might be some errors occurring during the transaction processes of the tasks.

**S**tartup : Enter the website and Login.

ShutDown . logout and close the website

-Signing in :

\*Username and password do not match

\*Username or password is wrong

\*Username does not exist.

-Siigning up :

\*E-mail address does not valid

\*Mandatory fields do not filled

-Select Payment

\*During online operation, a credit card does not valid.