# System Interfaces

## User Interfaces

The interface should make easier the usage by displaying an organized and good-looking design.

### Look & Feel

The interface should be elaborate. It should not have an ordinary look with default styles and themes generated by Android Studio, but it should not be very complex neither. In this manner, we aim to make it simple but elegant.

In the website, we plan to use responsive design. In this way, our web site works on all screen sizes correctly. Besides that, we also use bootstrap 4 for implementing the material design. It helps us to provide a modern look.

### Layout and Navigation Requirements

Since there are lots of user operations, they should be categorized. The user should know the category that s/he might reach the operation needed, for this reason, the related categories to operations should be determined wisely. It is planned to design a menu for those categories.

In website design, we aim to minimum click to maximum performance. So, we design navbar and dropdown buttons with this methodology. Besides that, we don’t want to complex menu design. Therefore, we are working on adjusting weight between simplicity and usability.

### Consistency

The icons and titles that lead to a category from menu should be related to context and give the intuition of that context.

Since there are web and mobile applications in this system, the applications look similar and give the intuition to users that they are built for the same management system.

### User Personalization & Customization Requirements

We will make a general and default theme and style for mobile application for all users without allowing personalization. Other than this, the application should preserve the quality of view in various screen sized devices as well.

In website side, The Managers and Owners have management panel for managing the sport center. The members cannot access to this panel. Besides that, no difference between all types of members (Normal, Premium- Platin) in customization side and all users cannot personalize the own screens.

## Interfaces to External Systems or Devices

### Software Interfaces

The web and mobile applications are synchronized, and they use the same database.

As the external parts, system interacts with the bank and takes their verification for the payment. The software of the ID Card Reader in the center saves the entrance information, e.g. to classes, of the customer to our database system. It is assumed that the external parts are working correctly.

### Hardware Interfaces

Sports center uses a card reader system for entering to center and exiting from center. And when a member took a course and enter to the class, he/she has to show his/her id card to the card reader system again. Card reader system processes attendance information and stores in the database.

### Communications Interfaces

A communications interface is not available.