



**ROCKET SPORTS  
CENTER**

**Rocket Sports Reservation System**

**Vision**

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Vision	Date: 28/02/2019

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## Revision History

Date	Author(s)	Changes	Version
17.02.2020	Deniz Çoker	Initial version	0.1
28.02.2020	Deniz Çoker	Re-planning releases after comments	1.0
06.03.2020	Deniz Çoker	-Update 3.1 according to QA team review -Update 5 according to QA team review	2.0

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# 1. Introduction

People are getting very motivated to live a healthy life and they do any kind of sports exercise for a better life. Many sports facilities are offering personal training services, classes for yoga, pilates and many other activities for their members. These offered classes might have different schedules, personal trainers' available working hours might differentiate and also there might be a need for a renting system for court reservation. As it can be understood, there are many aspects of managing and using such sports facilities. Hence, members need to see the available classes, trainers, courts and managers need to manage the facility effectively for maximum facility utilization and customer satisfaction.

## 2. Positioning

### 2.1 Problem Statement

Lack of an online management tool to access membership information, and terms of usage, offered classes, their schedules, personal trainer hours, and their availability, court hours, and their availability are causing confusion for stakeholders who need a clearer view of the facility in terms of transparency of user demand, schedules, available trainers and courts. A successful solution would provide all stakeholders an environment where members can set the best sports routine for themselves and managers can manage the facility more effectively.

<b>The problem of</b>	Managing the slots of exercise classes
<b>affects</b>	Instructors, Members, Managers
<b>the impact of which is</b>	Not managing the slots successfully, so this can result in an overload of the classes or unused slots
<b>a successful solution would be</b>	Everyone can see the slots and reserve a class before coming to the center

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<b>The problem of</b>	Managing slots of rented facilities such as basketball, tennis and golf courts
<b>affects</b>	Members, Managers
<b>the impact of which is</b>	Not managing the renting facilities successfully, so this can result in an overload of the facilities or unused facilities
<b>a successful solution would be</b>	Everyone can see the availability of the facilities and rent before coming to the center

<b>The problem of</b>	Managing reservations with the personal trainers
<b>affects</b>	Personal Trainers, Members, Managers
<b>the impact of which is</b>	The personal trainers can be idle, or members cannot find a free spot for the trainers.
<b>a successful solution would be</b>	Everyone can see the availability of personal trainers and make reservations before coming to the center

<b>The problem of</b>	Managing the users
<b>affects</b>	System Administrator, Managers
<b>the impact of which is</b>	There are many members and employees working and their information is not kept in an organized manner.

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<b>a successful solution would be</b>	Having a proper database where the managers can find the needed information.
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## 2.2 Product Position Statement

<b>For</b>	Rocket Sports Center
<b>who</b>	Rocket Sports Center Management, Employees and Members
<b>The (product name)</b>	Online reservation and management system
<b>That</b>	A standard user can learn to use in 5 minutes, Cheaper
<b>Unlike</b>	Alternatives that members are informed via telephone or e-mail and management reports are created using spreadsheet data.
<b>Our product</b>	User-friendly, Easy to use, Cheaper than the competitors and uses data with instant updates.

## 3. Stakeholder Descriptions

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### 3.1 Stakeholder Summary

Name	Description	Responsibilities
<b>Manager</b>	The manager is responsible for the Rocket Sports Center. She is in charge of funding, and the budget of both the project and the center.	<p>Sponsor of the project</p> <p>Monitors the project's progress</p> <p>Increase the use of the reservation system so the center can operate more productively</p>
<b>Instructors</b>	The instructors are the gym lecturers. They are giving Yoga and Pilates classes.	<p>Plan the lectures</p> <p>See the capacity of the lectures</p>
<b>Members</b>	Users of the Sports Center.	<p>See the lecture plans</p> <p>Make reservations to the lectures</p> <p>Cancel reservations to the lectures</p> <p>Make reservations to the personal trainers</p> <p>Cancel reservations with the personal trainers</p> <p>Rent facilities such as basketball, tennis and golf courts</p> <p>Cancel rent they made to the facilities</p>

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<b>Personal Trainer</b>	The instructors that are responsible for personal training sessions.	Arrange their working and free time See the status of the reservations
<b>System Administrator</b>	System Administrators manages the memberships' of Rocket Sports Center.	Manage users Manage courts Manage schedule
<b>QA Team</b>	QA team is the team that evaluates the quality of the project.	Reviewing the project documents Participating in reviews
<b>Project Manager</b>	The Project Manager leads the planning of the project, coordinates interactions with the stakeholders, and keeps the project team focused on meeting the project objectives.	Asses results Manage iterations Plan iterations Plan project
<b>Analyst</b>	Analyst represents customer and end-user concerns by gathering input from stakeholders to understand the problem to be solved and by capturing and setting priorities for requirements.	Gather detailed System-wide requirements Prepare detailed use-case scenarios Develop technical vision Identify and outline requirements

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<b>Developer</b>	The Developer carries out developing a part of the system, including designing it to fit into the architecture, possibly prototyping of the user interface, and then implementing, unit-testing, and integrating the components that are part of the solution.	Design the solution Develop backout plan Implement developer tests Implement solution Install and validate infrastructure Integrate and create build Package the release Review and conform to release controls Run developer tests
<b>Architect</b>	The Architect defines the software architecture, which includes making the key technical decisions that constrain the overall design and implementation of the system.	Envision the architecture Refine the architecture
<b>Tester</b>	They carry out the core activities of the test effort. Those activities include identifying, defining, implementing, and conducting the necessary tests, as well as logging the outcomes of the testing and analyzing the results.	Create test cases Implement tests Run tests



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## 3.2 User Environment

Target users are the sports facility management, employees and members. These users will be using the application online.

The application is not available on mobile.

Currently, Rocket Sports Center does not use any software to manage the facility. There is no other application to be integrated.

## 4. Product Overview

### 4.1 Needs and Features

Need	Priority	Features	Planned Release
Signing up as a member	High	Users will be able to sign up as Members	V1
Logging in to the system	High	Members will be able to sign in to the system	V1
Managing members	High	Facility employees will be able to manage members	V1
Managing time slots of Rocket Sports center	High	Facility employees will be able to manage time slots for the center	V1
Managing personal trainer schedules	High	Facility employees will be able to manage capacity and schedule of personal trainers	V1
Publishing schedules of personal trainers	High	Facility employees will be able to publish personal trainer schedules online	V1

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Signing up for a personal trainer	High	Members will be able to sign up for personal trainers	V1
Cancelling Personal Trainer Appointment	High	Members will be able to cancel their personal trainer appointment	V1
Managing classes and their schedules	Medium	Facility employees will be able to manage capacity and schedule of classes	V2
Publishing classes and schedules	Medium	Facility employees will be able to publish classes for online sign up	V2
Signing up for classes	Medium	Members will be able to sign up for classes	V2
Cancelling Class Appointment	Medium	Members will be able to cancel their class appointment	V2
Managing slots for courts	Low	Facility employees will be able to manage slots for courts	V3
Publishing available slots for courts	Low	Facility employees will be able to publish available slots for renting tennis, basketball and golf courts	V3
Renting courts	Low	Members will be able to rent courts online	V3
Cancelling court reservations	Low	Members will be able to cancel their court reservation	V3

## 5. Other Product Requirements

Requirement	Priority	Planned Release
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Help menu must be created for online access	Low	V2
A standard user can learn to use in 5 minutes.	Medium	V1
System must be used online.	High	V1