

**Alpha Net Technologies Pvt. Ltd.**



Document Name	Software Requirement Specification Of ClubOrganiser
Version No.	1.0

---

This document of Alpha Net Technologies Pvt. Ltd. is for restricted circulation. No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means – recording, photocopying, electronic, and mechanical without prior written permission of Alpha Net Technologies Pvt. Ltd.

---

**Table of Contents**

Overview of the Project.....	3
Objective.....	4
Business Functions Provided in Proposed System.....	5
Input Requirements of the System.....	6
Output Requirements of the System.....	6
Users of the System.....	7
Technologies to be used.....	8
Software Requirements.....	9
Hardware Requirements.....	10

## **Overview of the Project**

---

ClubOrganiser is a MIS application to automate working of a Club which deals mainly in providing sports facilities.

In a Sports club different sports facilities are available for members.

For proper functioning club need to maintain:

- Details of all the sports facility available
- Details of all the membership type
- Details of all Member
- Details of all Employees

It is very difficult to maintain all these records through paperwork.

ClubOrganiser overcomes the difficulty of managing information by removing paperwork.

In this application all the factors which are used to evaluate membership fee are defined and using these factors membership fee of all members is calculated.

ClubOrganiser is quiet easy to use and acts as a general system so that it can be used to automate functioning of any sports club.

It is developed using Java technologies.

***Objective***

---

The objective of the system would be to:

1. Keep the information of all employees.
2. Keep the information of all Sports Facility available
3. Keep the information of all Membership Types.
4. Keep the information of all the registered Members.
5. Define the fee structure for members.

**Business Functions Provided in Proposed System**

---

1. **Login:** To access this application, users would be required to login through a login screen. After authentication would be able to access only those areas for which permissions are given.
2. **Employee Maintenance:** That allows adding or updating the details of all employees of sports club.
3. **Member Maintenance:** That allows adding or updating the details of all users who are using facilities at Sports Club.
4. **Information Maintenance:**
  - That allows the user to add or update the details of sports facilities available.
  - That allows the user to add or update the details of membership types available.

### **Input Requirements of the System**

---

- ☐☐ Login.
- ☐☐ Employee Details
- ☐☐ Member Details
- ☐☐ Membership Type Details
- ☐☐ Sports Facility Details

### **Output Requirements of the System**

---

1. Listing of all employees.
2. Listing of all members.
3. Listing of all sports facilities.
4. Listing of all membership types.
5. Listing of all Invoice records.
6. Generation of bill for registered members.

## **Users of the System**

---

The users of this system will be the users of the organization. The systems are menu driven to facilitate the users. The system is developed with the participation of users, which will help them to understand the system easily.

Following are the users:

□□ **Administrator:**

User of type administrator will manage the administration part of the application. He is allowed to manage all the employees exists in the system.

□□ **Operator**

User of type Operator will manage the operational part of the application.

**Technologies to be used**

---

- ☐ **Java** :Java is Platform Independent, Secure, Object Oriented, Scalable, and Robust Programming Language  
It consists of two parts
  - JVM stands for Java Virtual Machine, which is run time environment to execute the java programs.
  - Java API (Application Programming Interface) that consists of inbuilt classes used in java programs.
  
- ☐ **JDBC** (Java Database Connectivity) is an API, which is used for the communication of java programs with different databases.
  
- ☐ **Windows Programming**
  - **Swings**: Swings in java is a rich set of components for building GUIs and adding interactivity to java applications. Swing includes all the components that you would expect from a modern GUI toolkit that is table controls, list controls, tree controls, buttons and labels. The basic architecture of swing is MVC. And are entirely made in java.
  
- ☐ **JasperReports**
  - JasperReports is an open source reporting engine. Using JasperReports reports can generated in any type of application i.e. console application, desktop application, web application, enterprise application.
  
- ☐ **MySQL**
  - MySQL is used as database, used to store data. It is RDBMS.



## **Software Requirements**

---

- 1. JDK 1.7**
  - NetBeans 7.2.1
  
- 2. Database**
  - MySQL Database Server 5.5
  
- 3. Reports**
  - JasperReports 4.7
  
- 4. Jdbc Driver for MySQL Database Server**
  - mysql-connector-java-5.1.22-bin.jar
  
- 5. Operating System**
  - Windows Vista / XP sp3 / Win 8 / Linux Fedora

## **Hardware Requirements**

---

- ☐☐ Intel P4 processor with minimum 2.0Ghz Speed
- ☐☐ RAM: Minimum 512MB
- ☐☐ Hard Disk: Minimum 20GB