# Sports Center Management Software
# Risk Management Report

## 1. Introduction

This document for showing risks that may occur while developing to the stakeholders of the project and how to deal these risks before they did negative impact on the development process.

## 2. Fore-Casted Risks Table

| Fore-Casted Risks in Planning | How It Mitigated |
|---|---|
| Compatibility in mobile application | We used 4.2 version of Android for preventing this risk. |
| Latency in development | Every team member has some knowledge for other member's subject. So, each member in the team has some knowledge about all areas. |
| Data loss about project | All documents stored in project's GitHub repository. |
| Security issues on data process | While accessing to database we use controller for that process. Communication providing on the controller. With this indirect way instead of direct way, occurring errors decrease. |
| Security issues on data storage | Passwords of the system firstly encrypted with AES the stored in the database. |
| Maintenance | We will implement a management panel for changes in the future. System will not be static, system will open for management changes in the future. |
| Unsatisfied customers for not user-friendly product | Design of the system as simple as possible. |
| Out-of-date technology | We use recent technologies for development. So, product will be updated and remain usable for a long time. |
| Incomprehensible usage for product | We design a user manual and put a download link to each application. |

### 3. Observed Risks Table

| Not Fore-Casted Risks in Planning | How It Mitigated |
|---|---|
| Planning mistakes for deadlines | With other projects some of our team members can be very busy and can not complete their work. If a member is busy enough other members can help him/her and finish the task. Also, early starts may help prevent to missing deadlines. |
| Web Application – Android Application asynchronized development | We define a primary focus for applications. First android application will be finished. Web application is secondary focus. So, as we planned before android application will follow planning dates, but web application can be late. |

### 4. Observed Risks Table After Third Delivery

| Not Fore-Casted Risks in Planning | How It Mitigated |
|---|---|
| Web Application's made no headway | We decided to shelve web application. Mobile and web development is an exhausting process. Our group members' intense syllabus made two frontend headed project impossible. We remove the web application and developers of the web application shared between mobile side and backend side. |
| Server challenges while uploading new java spring codes. | We decided to decrease changes of the backend codes in server side. We try to complete backend side as possible as we can then upload to server. |
| Asynchronous tasks are a challenging part of the android | We decided to prioritize mobile side and increasing mobile developers in the project. |
| Challenging interface design | We decided to made prototypes for interfaces then doing them on mobile application. |
| Insufficient error checking and alerts | We decided to give more importance for error checking in frontend and backend. |
| Changes in GitHub | We decided to work in branches instead of working in only master branch. |