

Bene-Fit Sports Centre Membership System	
Risks Management Report	Date: 24/05/2018



Hacettepe University Department of Computer Engineering

BBM384 Risks Management Report

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Risks forecasted in planning	How it was handled/mitigated
1.Overlap with other courses may be a problem	Since every team member has other courses and assignments to think about, everybody has to make compromises.
2.Time to learn framework	Each team member has responsibility of sharing knowledge.
3.Communication problems	By using specific communication channels and organizing regular meetings, eliminate communication problems
4.Data management	Using MySQL database
5.Possibility of making changes during development	Incremental development model is used

1. Overlap with other courses

Since team members are all third grades, we have both must and elective courses to success. Each course has its own assignments and other works. To minimize risks of this problem, each member is expected to make compromises.

2. Time to learn framework

There are teammates who developed projects using Spring Framework, they are expected to share their knowledge to other team members.

3. Communication problems

By using Whatsapp group and organizing regular meeting, we always talk about this project. If anyone has a problem, he asks his problem and other team members try to help him.

4. Data Management

This project has to be provided to all systems so it needs a database that is available to all systems. Thus, we chose MySQL as database, since it is available in all operating systems.

5. Change Possibilities

We decided to use incremental development model to develop this project. Aim of this is to add new features on top of other features.

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Risks not forecasted in planning	How it was handled/mitigated
Some documentation jobs seem to be boring	It is expected to behave patiently for each team member
Github issues	Master, documentation and development branches are separated

1. Documentation jobs

Since there are lots of documents to deliver, each member has to fill lots of tables and templates. With all other responsibilities and courses, this seem to be boring. In this case, each member is expected to be patient.

2. Github issues

Since none of the members has wide knowledge about Github, there can be conflicts or unexpected bugs. To prevent this, master, documentation and development branches are separated.

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Risks forecasted in planning	How it was handled/mitigated
1. Connecting Database	While providing the interaction between the MySQL database and the spring framework, we faced with problems, but we solved the problems with hibernate.
2. System security	Measures taken against the system ensure that the username and password match and control
3. Risk of delivery time	Since we have an issue such as not being able to deliver the project, we have gone to solve this problem by making a timeline.
4. Inadequate system	When it is understood that the system that is being worked on is missing by the users and the solutions we have developed on this system

1. In case the database connection is interrupted, the activity of the database is interfered with by our system, so we have found that none of the activities works correctly and we have been in the steps and solutions to ensure that the database connection is well established and works interactively with the Java spring framework. These solutions are based on the system operation that will take place in case of continuous operation of the database.
2. It is a proposal for a problem solution based on the possibility that the malicious software developers behave outside our requests in our system and mislead the people who are members of our system and prevent them from aiming at profit and deceiving them. In order to solve this problem, we have made the user login a secure system and have integrated this system to our users

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3. We observed a situation where we could not keep up with the delivery date of our project and based on this we worked on the project design with a policy that solved this problem as well as our first priority, we have done this according to the items and time distributions.
4. The system we have been working on has been inadequate on our expanding system and this problem has been observed to solve the problem and it has been approached to solve this problem by adopting a system design which can be integrated into the new system while protecting the working principles in the old system and addressing wider and more usable.

Risks not forecasted in planning	How it was handled/mitigated
1. System incompatibility in project construction	We need to work on different systems, we need to work on your system
2. Technical problems in project design phase	In cases where technical problems are encountered, we focus on the end of the osnra project
3. It has been observed that the server does not support too many users.	If too many users expect to be blinking at the same time, the server capacity is inadequate and the server's cache capacity is increased.

1. We have adapted our project to linux based server systems but we have observed that it does not work for windows based systems and we have been able to design our system to work on all servers by producing technical solutions to work on windows based servers by taking advantage of our project based on java.
2. In Poreje design phase, we encountered technical problems and tried to find solutions to these problems, and the most effective solutions were applied. In this stage, one or more of the problems encountered was server and database which worked on more systems. As a result of completing the connection break between database and server with java based hibernate, we have gotten the solution.
3. We started to design a server with a lower bandwidth because of the lack of users at first and our system was small at first, and then the increase in the number of users showed us the server insufficiency and decided to offer our project over a wider server.