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| **Sport Center Management** | Group 10 |
| Risk Management Report | 09.05.2018 |



# HACETTEPE UNIVERSITY

**Computer Engineering**

**BBM384 Software Engineering Laboratory**

**Sport Center Management**

**System Risk Management**

**Report**

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**Book Loan System Risk Management Report**

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| **Risks forecasted in planning** | **How it was handled / mitigated** |
| **1.** Everyone in the project has a different schedule so there may be those who are unable to fulfill assigned duties. | As we use Asana, the notification system is notified when the tasks are close to completion. |
| **2.** Because of we are collaborating, there may be conflicts when we are working on the same class in the same section and when programming. | We are thinking of using Git to solve this. |
| **3.** If we do not choose the database technology wisely we will use later, the information of our users may be lost. | Making our research about database technologies more careful. |
| **4.** The product we produce will not satisfy requirement which defined before start the project. | We have to think realistically and decide what can be doing and what cannot be do when building project. |
| **5.** It may not be easy to put the ideas we plan to do into the web application as code. | Design an application that is as simple and comfortable as it can be. |
| **6.** We cannot be sure about the correctness of our realistic requirements. | To talk with MacFit to understand what a system really is. |
| **7.** Libraries, dependencies can be confused or forgotten. | We are planning to work by creating a maven project. |
| **8.** Work environment where we organize group meetings may not always be available. | Determining the working environment in which we hold backup for group meetings. |
| **Risks NOT forecasted in planning, but observed** | **How it was handled / mitigated** |
| **1.** We all have a coding knowledge, but none of us have already designed a web application. So it can be difficult to learn new technologies. | To take care that the resources to be investigated are as clear and simple as possible, to add them to the archive. |
| **2.** We may regret that already used technology at the middle of project because of we do not know all thing in the beginning of the project. | We got their ideas in consultation with experienced people like our teachers or friends. |
| **3.** All of us will be responsible for specific part of project, but everyone in the project needs to know how things work. This can make the documentation confusing. | We can reach when we want by keeping our documentation in Asana or Git. |
| **4.** Customers may have problems when using the app. | Help can be added to the user interface. |
| **5.** In terms of task distribution or in other matters can be deducted from the idea. | In this case, a joint decision must be reached with the voting union. |
| **6.** Our friends who work in the project may have to leave the project due to their health condition. | Find someone as Freelance or ask for help from other friends. |
| **7.** GitHub we use may close, previously closed in October 9, 2016 | Keep backups of our work in a separate place. |

We mentioned our previous risks in the previous report. We have never encountered And “Missing deadline” risks throughout the project. We can not comment on the other risk because our project has not yet been submitted to the user.

We made a few changes from the previous report to the last day of the project. We actually encountered everything we planned ahead of time, so we had to put all the risks. Other possible risks that we may additionally indicate in addition to these risks

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| **Risk forecasted in planning** | **How it was handled/mitigated** |
| Database availability problem in different systems | We decided to use MySQL to create an application that works across all platforms. |
| Unless he / she does his / her duty on group  members. | In such a case, the manager warns the person. If the warning does not work, the work of the group member is done by helper. The obligation to work is also equalized. |
| Communication problem of group members | We made meetings to communicate comfortably. Apart from this, we made a healthy communication by using the telephone(Discord) and various internet applications(Discord,Asana)  . |
| System security | Measures taken againist the attack on the system. We care about input validation. |
| **Risks NOT forecasted in planning, but observed** | **How it was handled/mitigated** |
| Server hacking | System vulnerabilities will be turned off as soon as possible. Users will be promptly notified and will be prompted to change their username and password. |
| Free gyms by government | The gym will be opened by the government in each county and the others will be closed. |
| Dying or injuring someone while playing sports | By agreeing with the most comprehensive insurance, reducing the loss. |