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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. |

Risk analysis has an extremely important place in the progress of the project and project’s future. To predict and comment about the risks that may arise before starting a project and it is easier to find a solution when that risk occurs at the middle of project plan because if we are aware of the risks that may arise at the beginning of the project and if we prepare ourselves for it, we can easily get over it when the risk becomes a problem. It is worth mentioning that, there is no certainty that the above mentioned risks will be occurs.

If we will talk about the risks in our project; the most significant and results are most influential risk would be to break the schedule which planned at the beginning of the project. We tried to fit into our exam and assignments calendar as much as possible before we started the project. If we break the scheduling line several times, we were aware that the delivery of our project would be delayed. Other risks also as important as this one but other risks are less likely to occur. It does not mean we should not take this into consideration.

We will classify the risks listed above. We can say technical risks to the risks associated with the technologies, documentation, libraries used in our project. Miss the schedule line and health problems are included in direct risk category because their effect on the project is excessive. Incorrect timing planning or wrong organization, incapability of proper working environment these are related to resource risk category. After finish the project, if we will produced an application that cannot satisfy the specified requirement which defined before start the project risk is business risk.

The risks may have a positive or negative effect on our project. If we talk about these positive or negative effects for example, we face to face a risk and that impact our project in middle level then it may cause to earlier noticed that fatal risks that may arise in the future. Such a risk can also be seen as an opportunity because it aware us before see that fatal risk. On the other hand, we can put risks into the negative risk category that can deeply affect our project. For example, our database system is completely erasing an error result or misses the deadline of delivery time due to our inconsistency in the schedule timing.

As a result we can say that even thinking of the risk scenarios occurrence initially frightens all team members but if we can manage these risks in efficient way, we can translate this to our benefit. When we turn to benefit, contribution to the project is perfect.