**Milestone1**

* **Percentage of the completed**

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| **Milestone** | **Action** | **Responsible** | **Plan date** | **Percentage of completed** |
| M0 | Requirement's analysis and finishing proposal. | All the team | 2021.2.12 - 2021.2.19 | 100% |
|  | Refine the requirement analysis and design each function. | Xinmeng Yuan and Mengyao Liao | 2021.2.19 - 2021.2.26 | 100% |
| M1 | Storing data sets into MangoDB | All the team | 2021.2.26 - 2021.3.5 | 100% |
|  | Analysis rating of movies and design each function. | Xinyu Ji and Ruiting Liu | 2021.3.5 - 2021.3.19 | 12% |
| M2 | Implementing the recommendation model | Xinmeng Yuan and Mengyao Liao | 2021.3.19 - 2021.3.26 | 0% |
|  | Visualizing movies recommendation into users | Xinyu Ji and Ruiting Liu | 2021.3.26-2021.4.9 | 0% |

**Explain the challenges that you faced**

**Business**: The database may not get enough because many movies resource need to pay. We may stay in a low-profit state because the project just focuses on recommending movies information and the project will not provide the film to watch.

**Technical**: The statistical recommendation module is a difficult part to implement, there are many algorithms to decide. The cloud service could be considered as a second risk during the project because our team have little experience in run project on cloud.

**Resource**: Find a proper open data of movies and open dataset for our project. Finding a valid dataset and it can be used in the project. The dataset includes information about various types of movies, so users can search these Information or be recommended some movies which they are interested.

**Schedule**: As we still have three courses and homework to deal with, it may take a longer time to develop this project. Each team member have certain and different works, after each people finish the works of the project within the given time. Then, checking each works and exchange ideas and experience to perfect the project, so we have regular meetings to ensure we can complete the project on time.