**Milestone:**

The number of days for each subtask in Milestone is planned according to a 7-hour work week per person. The schedule for each task is shown in the "Project Implementation Plan" Excel file.

**M0（2023.3.23）:**

Wenjie Xu:

1. complete the requirements analysis to determine all the functions to be achieved by the system

2. complete the outline design of the system and determine the overall framework used for system writing

Lu Qianlong, Zhao Ruirui:

1. learn the use of Vue3

M0 Criteria. 1.

1. determine the overall system functionality and technical framework by March 23rd

2. learn the basic use of Vue3 and be able to achieve front and back-end interaction.

**M1（2023.3.30）:**

Xu Wenjie, Lu Qianlong, Zhao Ruirui:

1. complete the Gantt chart of the project plan

2. Complete the first presentation PPT

M1 Criteria.

1. Submit the Gantt chart of project implementation plan to Github

2. Submit the PPT for the first presentation to Github

**M2（2023.4.27）：**

Wenjie Xu:

1. Complete data pre-processing to convert latitude and longitude in the 6-year dataset to provincial and municipal information

2. complete the writing of the first 5 back-end interfaces in the project implementation plan

Zhao Ruirui:

1. test the front-end and back-end interfaces together and find out if there are bugs

Lu Qianlong: 1:

1. finish writing 5 front-end charts

M2 Criteria.

1. convert the latitude and longitude coordinates of all data sets for six years into provinces and cities and store them in the database

2. Submit the code of the first 5 interfaces in the project implementation schedule to Github

3. submit 5 front-end visualization charts to Github

4. test the front-end and back-end data interaction through the first 5 functions, and require 0 bugs

**Beta（2023.5.31）：**

Wenjie Xu:

1. finish writing the last 4 back-end interfaces in the project implementation schedule

Lu Qianlong:

1. finish writing the last 3 diagram codes for the front-end

Zhao Ruirui:

1. test all functional modules

Wenjie Xu, Qianlong Lu, Ruiyuan Zhao:

1. finish the PPT for the final presentation

Beta Criteria.

1. Submit the code of the last 4 interfaces in the project implementation plan to Github

2. Submit the code of the last 3 front-end diagrams in the project implementation plan to Github

3. Test the front-end and back-end interactions of all functional modules with 0 bugs

4. Submit the presentation PPT to Github