

# Risk Management

## 1. Risk 1

Because we are seniors, we have a lot of other things to do compared to college students of other ages. For example, some students are busy with postgraduate study, and some students are busy with internships. Therefore, several members are not at school or are busy preparing for other things. There are very few opportunities for some members to have a time at school. How to arrange the time and decide the time and place of the meeting is very difficult, which can easily lead to problems such as insufficient communication or lack of team spirit.

In order to avoid the development of these problems and ensure the number and quality of meetings, we have a series of rules: 1. A plenary meeting is held every week. 2. In addition to a plenary meeting, a meeting of several members will be organized once or twice a week. 3. Not only organize face-to-face meetings, but also organize online meetings such as QQ meetings or WeChat meetings. 4. Each member must have at least one meeting record per week. 5. Everyone present at the meeting should focus on the meeting and not do anything else.

If a full-week meeting cannot be carried out in a week, we will take urgent measures to record the contents of the meeting in the form of audio recording. Members who did not attend the meeting after the meeting need to listen to the recording and develop their views on the content of the meeting in the WeChat group, which ensures that every member can understand the latest progress of the project.

## 2. Risk 2

The completion is not a separate task, it is a team task that four people work together. In the team work, everyone is an independent whole, so there is no way to avoid disagreements. For example, when we were discussing application features, Fe Fuying thought that we should do a beverage library function. However, Liu Yibin believes that this feature was not very versatile, many users are not interested in the situation of the beverage or do not drink at all. In this regard, they have had a heated debate. Good communication is a must for teamwork, but fierce debates are not only bad for the progress and improvement of the project, but also cause unnecessary conflicts between members and are not conducive to team harmony.

In order to avoid the development of bad controversy, we have formulated a series of measures: 1. When others are expressing their opinions, don't interrupt, and listen

carefully to others. 2. Objectively analyze their recommendations when opposing their opinions, pointing out the shortcomings and the areas that need to be corrected. 3. When other members oppose their own views, they must listen carefully to the analysis of others, and cannot insist on erroneous views in order to maintain their own ground. 4. Organize some team activities regularly to promote friendship.

When a bad controversy occurs, we will suspend the meeting for a while, and then continue our meeting when the mood of both parties is stable. If the decision is still undecided, we will adopt a method of raising hands and vote, and take more decisions. This not only improves the efficiency of the work, but also stops the bad debate in time.

### **3. Risk 3**

We will encounter many technical problems. The programming skills of the four team members are not particularly good. The biggest problem in this project is that we will use image recognition technology to get the calorie content of various foods. This technique will use the Faster R-CNN algorithm and the keras framework, which are knowledge we have not touched before. How to learn and apply these technologies has become our biggest headache.

In order to avoid the inability to complete the project due to the lack of certain professional knowledge, we have set a series of goals: 1. Regularly review the information related to Faster R-CNN such as articles, websites and so on. 2. Share your findings to other team members at each meeting. 3. Arrange some technical related exercises. 4. Write your thoughts regularly.

When encountering technical problems that four people can't solve, the guide asks for help, solves the doubts in time, and avoids the problem getting more and more to the end.

### **4. Risk 4**

In the end, we may not be able to achieve the desired results because of our limited knowledge capabilities and time constraints. That is to say, when the user takes pictures of the food, our app cannot accurately identify the food in the photo. For example, we have an apple in our photo, but our app recognizes it as a tomato, and the user may need to manually enter it to correct the result of the recognition. Of course, the user can also choose to change the angle and shoot again to identify. In this case, perhaps our app can accurately identify the apple, perhaps it still says that the Apple is the tomato, even peach, and then we still need to manually input it to correct the result. If the user does not feel trouble, he can also try several times. Maybe he will succeed.