Smart Seat

Lessons Learnt

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First of all, at the beginning of the project, each member can put forward his own ideas on the requirements, thus perfecting his own final project. After the demand has a certain prototype, the project manager estimates the difficulty of the project in advance according to the responsibility of the project, and according to the team's ability The demand will be further reduced.

As a project manager, the overall project plan should be developed before the project starts. In order to develop a good project plan, first of all, we must understand the scope and scope of each member of the team. Secondly, we must **understand the ability of the project team members**, according to the team members. The size of their ability to work to assign tasks to schedule time.

In the development of the project plan, the overall task must be divided into many small module tasks, and further division, each small module is developed a specific implementation time, and then assigned to members of the project team.

Second, we must **fully consider the risks in the project** before formulating the project plan, and develop different countermeasures according to each risk.

It is best to use an **iterative development model** throughout the project, and to test through the entire development process, allowing users to participate in each iteration to meet the changing needs.

Because our group is an IoT project, there is an IoT module. During hardware development, we must pay attention to the hardware cost risk. During hardware development, we need to pay attention to the **hardware cost**. For higher cost hardware, if there is an alternative option, we can take Replace the part, if not, you can change the requirements as appropriate.

As a project team member, you must first understand your specific tasks, and report your work progress to the project manager in a timely manner, and upload your own code. Also pay attention to your own code format and comments for your code. Members of different divisions of labor and between different links should communicate in a timely manner, that is, for the overall project to be completed efficiently, and for the final integration work to proceed normally.

For testing work, it is necessary to carry out **regression testing** in case the errors that occur in the middle of the change cannot be discovered by the developer in time.