







4) The completion of the project should have concrete results. When the project is completed, students will have a sense of achievement by their efforts, thus stirring up the students' enthusiasm of learning.

The second is the case settings. It needs students to complete the task in the real situation, and to improve the ability of analysis and solving problems. The case settings should be considered the following aspects:

- 1) Cases should be targeted at a specific knowledge points;
- 2) Case should be representative, so that students can draw inferences about the case and expand to other areas;
- 3) Case should be relative with each other. They set up based on the completion of the former project and can't out of line;
- 4) Cases should be practical rather than from abstract imaginary;
- 5) The difficulty of case should meet the students' cognitive law. It designs from simple to complex progressively, which will help students to mobilize the enthusiasm and understand the project's decomposition. And it's good for grasping the core idea, architecture and development steps of the entire project [6].

At last, the explanation and summary of the case. Explanation is the guidance of the case's implementation. It can help students to understand the implementation process and situations which students may encounter during the process. Summary is the induction of the case. It can improve students' development experience.

## Conclusion

The "project and case driven" teaching mode is a new teaching mode based on constructivism theory. It is a more effective teaching method for learning the Java programming course and it breaks through the traditional teaching mode. Students have a sense of achievement and the spirit of exploration during the process of learning. Through the guide of case, students not only learn much in project development process, in order to master the knowledge, but also improve the ability to solve practical problems. Meanwhile, it plays a positive role in promoting students' teamwork, innovation and practical ability.

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