The project is for the Citi Cup competition. I completed the entire program by java with three teammates. The number of lines of code is 36000, including the interface, logic processing, database operations and so on. The entire project uses a tiered architecture with the Restful api. The project focuses on object-oriented programming, good use of inheritance, packaging, polymorphism and other features, making the code concise and efficient. I am mainly responsible for the architecture design and the implement of all the logic layer. The project successfully achieved all the desired functions and was stable and reliable.