Personal journal

Before I learned this python course, I actually didn't know the python language. Usually I use C++ and Java to develop applications. It is a bit difficult to learn a new programming language because I have to master its special grammars and specifications.it may cause frequent bugs in development due to unfamiliarity. But when I was learning Python, there was no such problem at all. The grammar of Python is too succinct. He is simply a language for solving problems. The programmer only needs to focus on solving the problem, don't care about python syntax. The theoretical course and the programming course of the professor are also very good. There are also special exercises to consolidate after the class. This learning mode has taught me the basics of the Python language after two weeks of study. In the following learning process, I gradually found that the Python language is really a very magical language, very convenient and fast to solve the problem, now almost all of my problems will be solved by the Python language.

Int this course design, our application is a shopping application that can save time and money, using python crawler technology, combined with multi-threading technology to improve crawling efficiency, using python Django framework for application interface development, application services organization, database interaction, and so on.

In this development process, the members of our group are teammates who have cooperated with me many times. I still hold the position of team leader, responsible for coordinating the time and tasks of team members, helping team members solve problems they can't solve. For each members can learn a little more knowledge, I am a reasonable division of labor, all application parts are not developed by a single person. For example, all three of us have the task of writing crawlers, writing web pages and scripting tasks, all people should write a part of the PPT and a task of writing a part of the document.

In this course, I am mainly responsible for crawling information on Amazon website, writing front-end interface, writing animation effect scripts, and if team members have difficulties, as team leader, I will help them solve problems. The difficulty I encountered was mainly the application of animation control and data transfer of multiple interfaces. The animation effect should ensure that multiple elements appear randomly and, but they cannot overlap. Then, in response to the action of the mouse, the user can stop the animation of a element when the mouse is placed on it, but other animations cannot be affected. In addition, the data transmission is slowed down by the server, so the data of the full front end is adopted. The way of transmission increases the difficulty, but in the end, I successfuly solve it by search the Internet.

This is a very good experience of cooperation, perhaps this project can continue to optimize, add some information filtering and sorting functions, and at the same time optimize the speed, faster and more convenient to provide services to users.