

Reflective Paper

The biggest technical challenge encountered in developing this library seat selection system is probably the lack of proficiency in the use of JAVA language, and the need to constantly review and solve various problems during the development process. I think the required courses for this course should cover the following topics: programming language design, database, software development tools, system platforms, standards, design patterns, and so on.

Through the course to master the cutting-edge technology and software development methods in the field of software engineering, with strong practical ability and innovative spirit, with strong software project system analysis, design, development and testing capabilities, can be engaged in accordance with engineering principles and methods Software project development.

And I think the most practical technology is the software development method for data structure, also known as the Jackson method. Because the Jackson method is the most typical software development method for data structure, the Jackson method decomposes the problem into three basic

structural forms. The hierarchy of the various parts. The three basic structural forms are order, selection, and repetition. The three data structures can be combined to form a complex structural system. This method starts with the input and output data structure of the target system, derives the program framework structure, and adds other details to obtain a complete program structure diagram. This method is particularly effective for small and medium-sized systems with well-defined input and output data structures, such as file table processing in commercial applications. This method can also be combined with other methods for the detailed design of the module.

Despite the many challenges encountered during the software development process, the more troublesome is the small problem caused by the docking of the hardware problem database, but it was finally solved. This experience allows us to apply our knowledge in practice, improving our practical ability and innovative spirit, allowing us to consider the problem in a comprehensive way, rather than focusing on a single point as in previous assignments.

Overall, this project has benefited us a lot and effectively enabled our knowledge to be used. This course also allows us to learn a lot, from many aspects to consider how to achieve the successful operation of the system.