Software Development Processes

Wang Ming NO: 13211232

Zhejiang Normal University

Software Project Management

1.Introduction

The software development process is the software design ideas and methods, including the function of software design and implementation of algorithms and methods, software, the overall structure design and module design, programming and debugging, program debugging and testing and prepared and submitted to the procedures and so on a series of operations.

2.Overview

1 The definition of the problem and the planning of this stage is the software development and requirements of the common discussion, mainly to determine the software development goals and feasibility.

2. The preliminary understanding to the user demand, initially defined the interface, and then in-depth understanding and analysis of the demand, according to their own experience and need to use WORD or related tools to make a document system functional requirements document. This is a very important stage, this stage to do well, will lay a good foundation for the development of the whole software project. Software requirements are also constantly changing and deepening in the software development process, so we have to customize the demand change plan to cope with this change in order to protect the entire project from the normal.

3. First, developers need to design software system design, it needs to consider the design of the software system, providing the basis for the detailed design of the software. In the detailed design, the main algorithm, data structure, hierarchical structure and call relationship of the implementation of specific modules are described. The design considerations for each program at each level of the software system are designed to take into account the encoding and the test, and it should also ensure that the requirements of the software are fully distributed to the entire software. Detailed design should be sufficient in detail, according to the detailed design report for encoding.

4. This is the software design results into computer running program code. In the procedure of encoding must be unified, standard specifications. In order to ensure the readability of the program, easy to maintain. Improve the running efficiency of the program. Developers need to aspects of data structure and algorithm analysis and module realization of design requirements, the specific written procedures, respectively, to achieve the function of each module, to achieve the goal of system functionality, performance, interface, interface.

5. After the completion of the software design to carry out rigorous testing, found that the software in the whole process of software design problems and to be corrected. It needs to write a good system to the user to use, after the user to use one of the confirmation of each

function.

6. In software testing to prove the result of the software to meet the requirements, software developers should is submitted to the user development target setup, data dictionary, the user installation manual, the user guide ", reporting requirements, design reports, test reports the parties agreed.

The user installation manual should be introduced to install the software on the operating environment requirements, installation of software definition and content, in the client, server and middleware specific installation steps, after the installation of the system configuration.

《User guide》 should include the use of the software functions of the process, the operation steps, the corresponding business introduction, special tips and notes, etc., in the need for example.

7. User acceptance.