# Project Practice

## 1. SCOPE MANAGEMENT

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| --- | --- |
| Functional Requirement： | |
| User | 1.Sign in/up  2.Edit order information  3.Sign for package  4.Change deliver plan  5.Pay online  6.Pay offline 7.Refund 8.Check deliver status |
| Delivery Person | 1.Edit order information  2.Enter tracking information |
| Administrator | 1.Review refund request  2.Review sign information |

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| Non-functional Requirement： |
| 1. Daily handling of the maximum data capacity to reach hundreds of millions of records 2. Can withstand 300 million people online at the same time 3. Data security 4. Performance 5. Maintain |

## 2. Scope Defines

By product analysis, alternative scheme identification, expert judgment, the scope defines is as follow：

1. Provide an efficient and fast delivery;

2. Provide a variety of fast and accurate sign way;

3. Provide proxy service and ensure accuracy;

4. Ensure that each package can be matched to the appropriate customer information；

5. Provide a variety of payment methods (online and offline);

6. Provide refund service;

7. Provide a module that let deliver person enter the feedback information of package to the system;

8. Provide an interface to display all the package information;

9. Provide a way to check tracking information。

## 3. SCOPE VERIFY

To review, verify and accept the deliverables and results of the above.

## 4. SCOPE CONTROL

Monitor and control the scope of the project and the product, manage the process of change. To control the scope of the project, it is necessary to ensure that all requests for change, recommended corrective action or preventive action are processed by the implementation of the overall change control process.

When a change occurs, the scope control process is also used to manage these changes, and the scope control process should be integrated with other control processes. Determine the cause and extent of the deviation range, and determine whether to take corrective measures to prevent, is an important work of project scope control. This work belongs to the monitoring process group.

## 5. QUALITY MANAGEMENT

Quality objectives of Project:

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| --- | --- | --- | --- |
| Objectives | Value | Base of the target | Scope of organization |
| Number of defects | 145 | 0.033 defects / person | 0.052 defects / person |
| Quality | 5 | 3% of the number of defects | 6% of the number of defects |
| Productivity | 57 | 3.4% Higher than similar projects | 50 |
| Schedule | On Time |  | 10 |
| Quality cost | 32% | 31.5% | 32 |

Estimate number of defects detected:

|  |  |  |
| --- | --- | --- |
| Review/Test stage | Estimate number | Percentage |
| Review of requirement and design | 29 | 20% |
| Review of code | 29 | 20% |
| Unit Test | 27 | 40% |
| Integrated/Regression test | 25 | 17% |
| Check Test | 5 | 3% |
| Total | 143 | 100% |

Strategies for achieving high quality goals:

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| --- | --- |
| Strategies | Expectation |
| Review ASAP | Defects will be found on early stages |
| Standard defect prevention guidelines and procedures | Reduce 10-20% defects  Increase 2% productivity |
| Using the RUP method, and an iterative implementation of the item  After each iteration, the implementation of the milestone analysis | Reduce 5% defects  Increase 1% productivity |

Review:

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| --- | --- | --- |
| Review Time | Review Plan | Review Type |
| After project planning | CM Plan | Group Review |
| After 90% requirement analyst | Requirement analyst Documents | Group Review |
| After 90% design | Design Documents | Personal Review |
| Every time begin the iteration | Iteration plan | Group Review |
| After detailed design | Program specification, including test cases | Group Review |
| After program compilation | Code | Group Review |
| Unit test | Code | Personal Review |
| Integration test | Integration test plan | Group Review |

## 5. QUALITY CONTROL

Monitor whether the deliverables of the project are in compliance with the current quality standards, and determine the method to judge whether the product is

Meet the requirements.