

software project management  
–logistics system

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project practice by 黄日辉  
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Q&A

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# INTRODUCTION

BY 赵晨

# Purpose

- ⦿ Increase the field people's working efficiency
- ⦿ Increase the efficiency of delivery
- ⦿ Reduce errors made by human inputs

# Scope

- ⦿ Scope description: a logistics system which provides solution for various scenarios between postman and customer.
- ⦿ Project requirements:
  - Undergo 1 million concurrent connections
  - 24/7 99.9% uptime
- ⦿ Project boundaries:
  - System design
  - Database design
  - Use Case design
  - User interface design

# Scope

- ⦿ Initial defined risks
  - Security risks
  - Stability risks
- ⦿ Fund limitation
  - 2 million
- ⦿ Cost estimate
  - 1 million

# Project deliverables

- Project deliverables:

  - Android/IOS Client

    - Home page

    - Delivery page

    - Sign Page

    - Back Change page

    - Trace Page

- Backend Server

  - Process all the business logic, capable of handling large volume of data. Database is distributed



# Project constraints

- ◎ Technology

- Mysql, Hadoop, Hbase, Redis, Memcache, Java, JDBC

- ◎ Operating System:

- Red Hat Enterprise Server 9.0

# Project Assumptions

- ⦿ Basic business assumption
  - Customers
    - check order status
    - get refund without reason if goods are damaged
    - Sign electronically
  - The logistics company
  - Postman
    - Track goods
    - Update the status of the goods
    - Communicate with customer
    - Arrange appointments
    - On-site payment

# Project Assumptions

- ⦿ Large volume of data
- ⦿ A colossal number of concurrent users
- ⦿ Data Security
- ⦿ Performance
- ⦿ Stability

# PROJECT PRACTICE

BY 黄日辉

# Project Practice

- Project Objectives
- This Package Delivery Application System is built for some logistics companies in China who delivers the products to customers home. The main functions is:
  - 1. Customer orders a product and wants the product to be delivered to a place that he or she specifies
  - 2.Customer can track the delivery information
  - 3.Customer can return the product in 1 month
  - 4.Customer need to sign after receive product
  -

# Project Practice

- ⑤ Customer can choose to deliver the product at any time without any extra fees or cancel the order if the product is damaged during the delivery.
- ⑥ Customer can pay with cash , alipay or credit card
- ⑦ Customer will receive a message of delivery schedule and he or she can authorize another person to receive for him or her

# Project Practice

- **Project Deliverables**

- Android/IOS Client

  - Home page

  - Delivery page

  - Sign Page

  - Back Change page

  - Trace Page

- Back Server

  - Do all the business logic , and can handle tremendous data volume daily. And the database should be distributed

# Project Development Period

- ⦿ Development cycle is tow month after the contract is signed.
- ⦿ One month of testing after development.
- ⦿ The project will release after test.



# Risk Management

⦿ wang yuqing

# WBS

- ◎ Zhu wenjie

Q&A