

Background:

I did this website because I found out many Chinese students want to mail some packages to China and they do not know how to contact the delivery company since they are cheaper than American mailing company like Fedex and UPS. Users can post their tasks on website including weight, category and address of the package they want to mail. Then companies who want to take this task can accept the task on their page.

Business logic:

Users are divided into two roles : Customer role and company role. Customer role can registrate and log in then post a delivery task and wait for companies to accept. Company role can be added only by admin and login their pages then accept tasks which has not been accepted by other companies yet. Once the company accept the task, customers can see in their view tasks pages. Also company can see all the tasks posted but can only accept those who has no cooperative company to accept task.

Models

User; Task; Role; Address

Function

User : Admin Role; Customer Role; Company Role

Admin Role:

1. Manage all users
2. Manage all tasks
3. Add companies and admins to system
4. Delete user or task

Customer Role:

1. Post tasks
2. View all tasks posted by this user
3. Change password and registration

Company Role:

1. View all posted tasks
2. Accept tasks
3. View all tasks accepted by this company
4. change password

Tools and Methods:

Netbeans, MySQL

1. Spring MVC
2. Spring security
3. Security testing
4. Spring framework Filter
5. Controller
6. Entity
7. DAO(Repository)
8. Hibernate
9. Annotation
10. Different role log in
11. HttpSession
12. hql
13. freemarker
14. velocity
15. JavaScript
16. CSS
17. Bootstrap
18. jQuery