**Requirements Design Document**

**User Management**

1. **User register**
   1. New user can register to the website.
   2. User register should provide:
   3. email address
   4. phone number
   5. user name
   6. password
   7. living area
   8. \*ID card, upload ID card will allow user to sell or purchase properties, and it will be invisible to others.
   9. Email address will be verification that is valid.
   10. User can upload an avatar.
2. **User login**

2.1 User can login with username and password

2.2 User can change password by verifying email to change password

1. **Update information**

3.1 User can change his information.

1. **User logout**

4.1 User can logout the system, which would delete cached token.

1. **Personal homepage**

5.1 User can access his personal homepage, which shows his personal information, properties released, favorite, sold, bought, etc. and some statistics.

1. **Check user’s profile**

6.1 User can access others profile, which include some public information.

1. **Record view history**

7.1 System will record view history

1. **Check view history**

8.1 User can collect view history

1. **Record search history**

9.1 System will record search history

1. **Record registered auction history**

10.1 System will record auction register history