

Sell_Fort

- **Sell with Comfort**

Team

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Title

Sell-Fort (Sell with Comfort!!)

Actors

Seller, Buyer, Admin

Project Summary

Designing an Object Oriented java *desktop* application using which sellers can find buyers and vice versa. Sellers will post their used products with a desirable cost, buyers will then have the ability to put a bid on the products. Based on the highest bid, the product will be sold to the respective buyer. Any user logged in to the application can either be a seller or a buyer.

Project Requirements

Function Requirements				
ID	Requirement	Topic Area	Actor	Priority
FR – 01	System will show some of the items with the highest bids on the home page	System Display	System	Medium
FR – 02	If a Buyer Bids for an item, the system will notify the seller about it.	Notification to the buyer	System	Critical

User Requirements

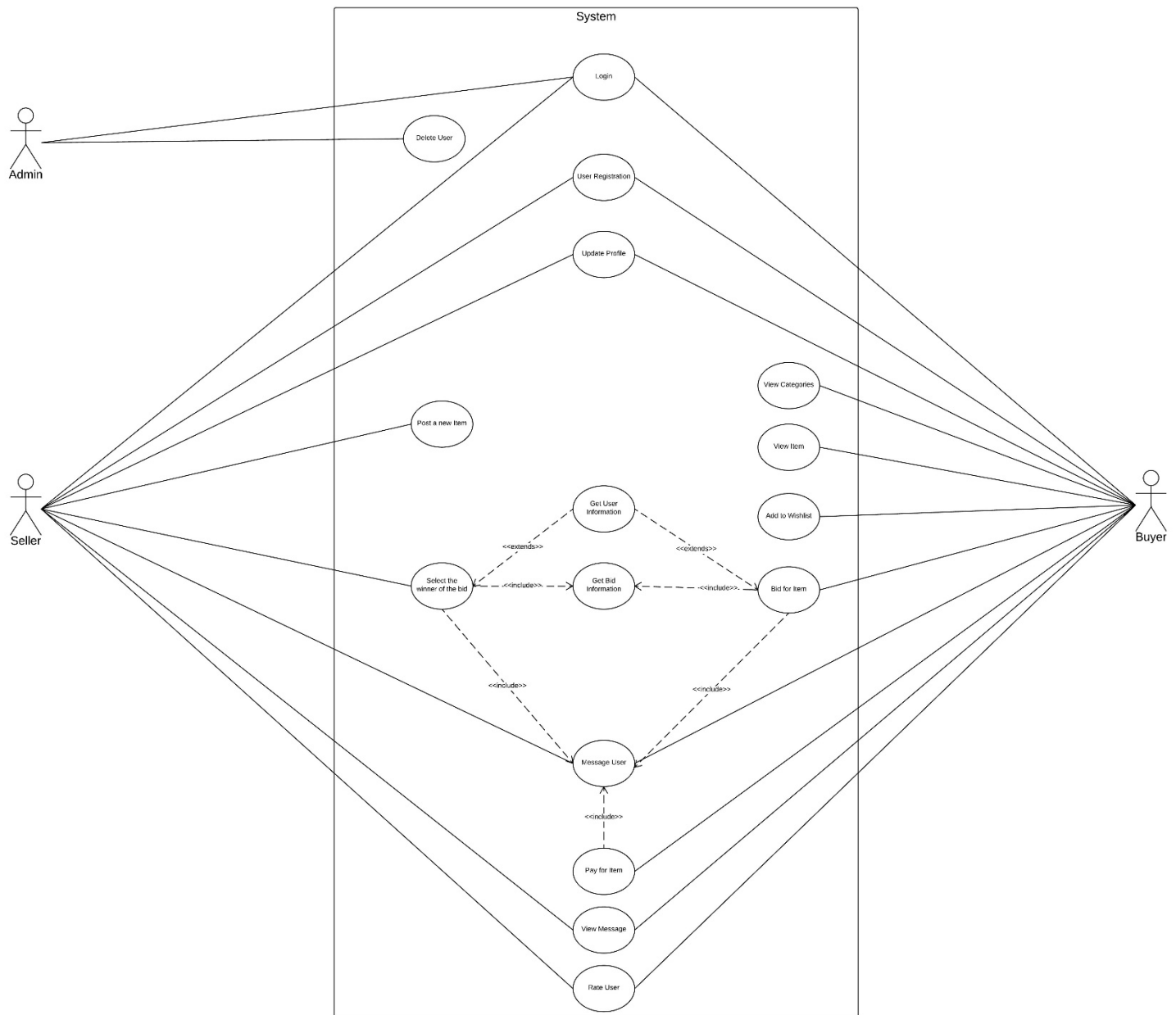
ID	Requirement	Topic Area	User	Priority
US – 01	User should be able to login using credentials	Authentication	All	Medium
US – 02	User should be able to register using a valid email address and password.	Authentication	All	Critical
US – 03	Seller should be able to post an item for sale	Posting an item	Seller	High
US - 04	Seller should be able to add description for the item	Posting an item	Seller	Medium
US – 05	Seller should be able to view his items added for sale	Posting an item	Seller	Medium
US – 06	Seller should be able to view his message inbox	Select winner of the bid	Seller	Medium
US -- 07	Seller should be able to select the winner of the bid	Select winner of the bid	Seller	High
US -- 08	Seller should be able to view buyer's information	Select the winner of the bid	Seller	High
US - 09	Seller should be able to notify the buyer who won the bid	Select the winner of the bid	Seller	medium
US – 10	Buyer should be able to view items by category	View Items	Buyer	High
US – 11	Buyer should be able to add an item to his wish list	Wish list creation	Buyer	High

US – 12	Buyer should be able to view bid information	Posting a bid	Buyer	High
US - 13	Buyer should be able to view seller's information	Posting a bid	Buyer	High
US – 14	Buyer should be able to post a bid price for an item	Posting a bid	Buyer	High
US – 15	User should be able to rate another user	Profile	Seller, Buyer	High
US – 16	Buyer should be able to pay for the item	Payment	Buyer	High
US – 17	Buyer should be able to choose payment options	Payment	Buyer	High
US – 18	Seller should be able to accept payment by barter and send message	Payment	Seller	High
US – 19	Admin should be able to delete a user.	Authorization	Admin	Critical
US – 20	Admin should be able to verify a user.	Authorization	Admin	Critical
US – 21	Admin should be able to change the role of a user.	Authorization	Admin	Critical

Non-Functional Requirements

ID	Requirement	Topic Area	User	Priority
NFR – 01	Username for login should be unique	Reliability	System	Critical
NFR – 02	Restart the system in case of failure	Reliability	System	Critical
NFR – 03	Upon providing correct credentials user should be redirected to the home page within 10-20 seconds at the max	Performance	System	High
NFR - 04	Must Run on all the browsers	User Centered Design	All	High
NFR - 05	Password must be 8 characters in length, must contain a special character, an uppercase letter and a numeric character	Authentication	All	High

Use Case Diagram

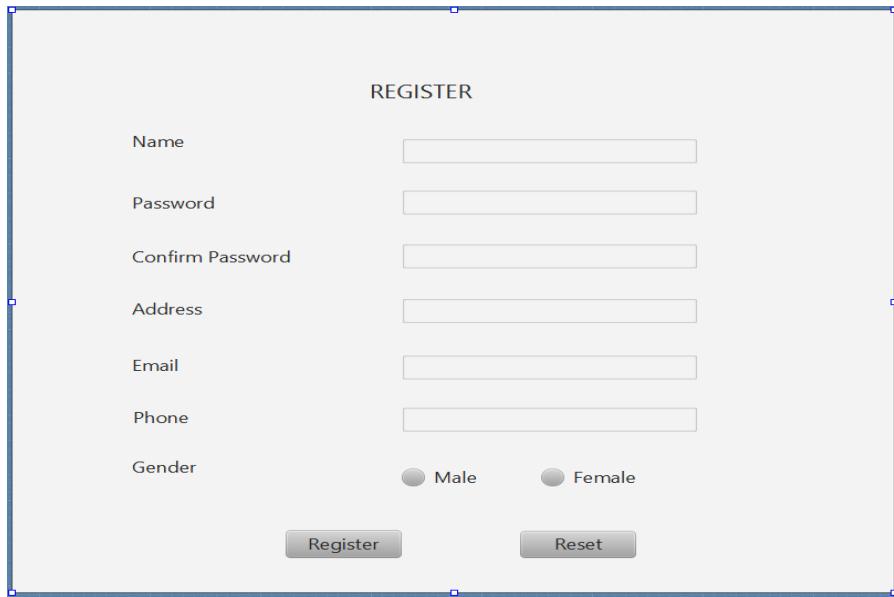


Use Case diagram link: https://github.com/avra0601/CSCI-5448-OOAD-project/blob/master/Our_UseCase%20-%20Page%201.jpeg

UI Mockups:

Aim: Create UI Mockups for Desktop application.

1) User Registration:



A UI mockup of a user registration form. The form is titled "REGISTER" and is enclosed in a light gray box with a blue border. It contains several input fields for user information: Name, Password, Confirm Password, Address, Email, and Phone. Below these fields are two radio buttons for Gender, labeled "Male" and "Female". At the bottom of the form are two buttons: "Register" and "Reset".

REGISTER

Name

Password

Confirm Password

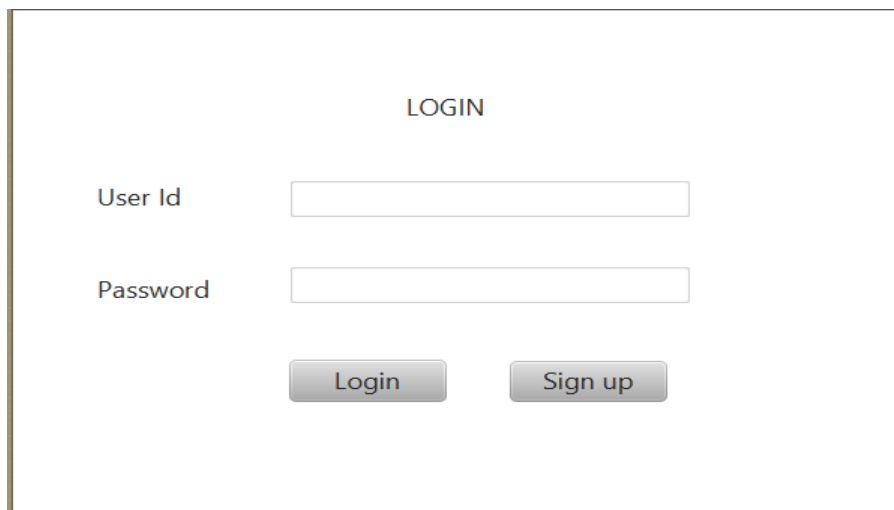
Address

Email

Phone

Gender ☐ Male ☐ Female

2) User Login



A UI mockup of a user login form. The form is titled "LOGIN" and is enclosed in a light gray box with a brown border. It contains two input fields: "User Id" and "Password". Below these fields are two buttons: "Login" and "Sign up".

LOGIN

User Id

Password

3) Update Profile

UPDATE PROFILE

Name

Vishnu

Password

Confirm Password

Address

Some address

Email

someemail@email.com

Phone

123456789

Gender

☐ Male

☐ Female

Register

Reset

4) Seller Dashboard

Message Inbox

Logout

Add a new Item

View Items added

Update Profile

5) Add Item

[Dashboard](#)[Message Inbox](#)[Logout](#)

Add a new Item

Select Category

Furniture

Item Name

Minimum Bid Price

Item Description

Upload Picture

No File Chosen

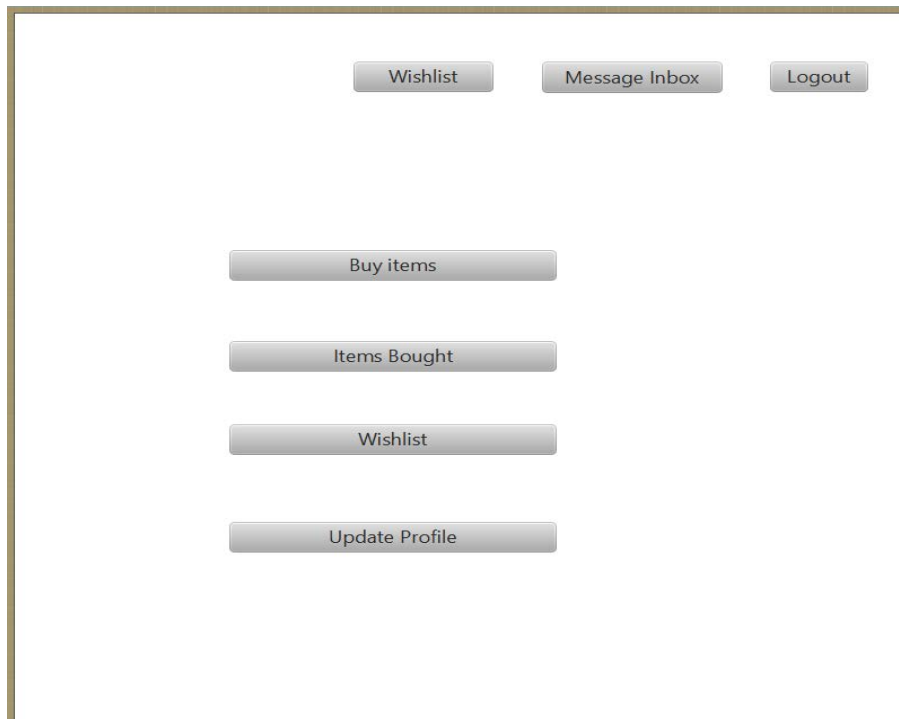
Submit

6) Items added

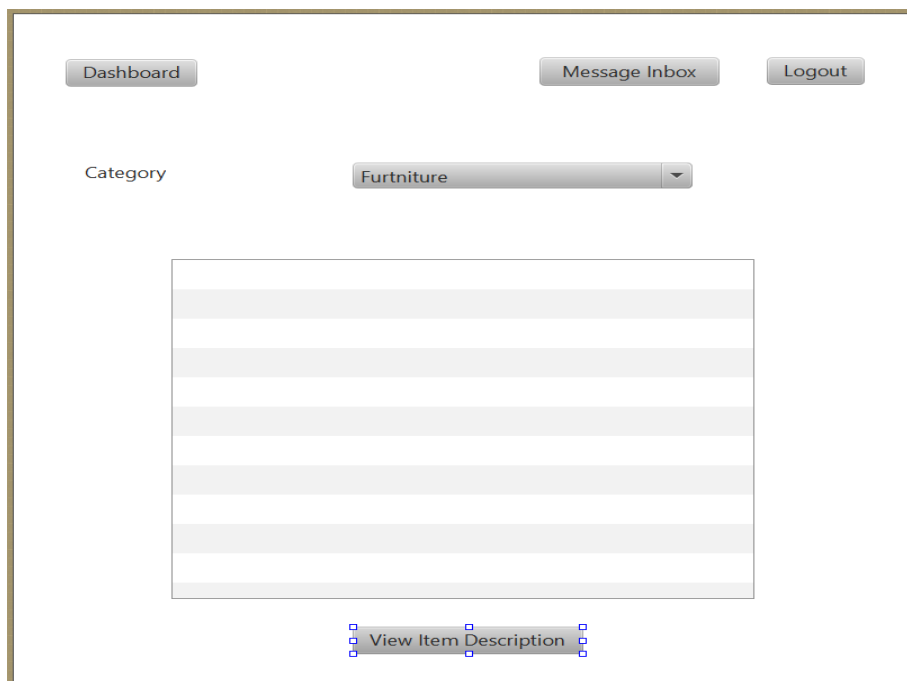
[Dashboard](#)[Message Inbox](#)[Logout](#)

Items Added

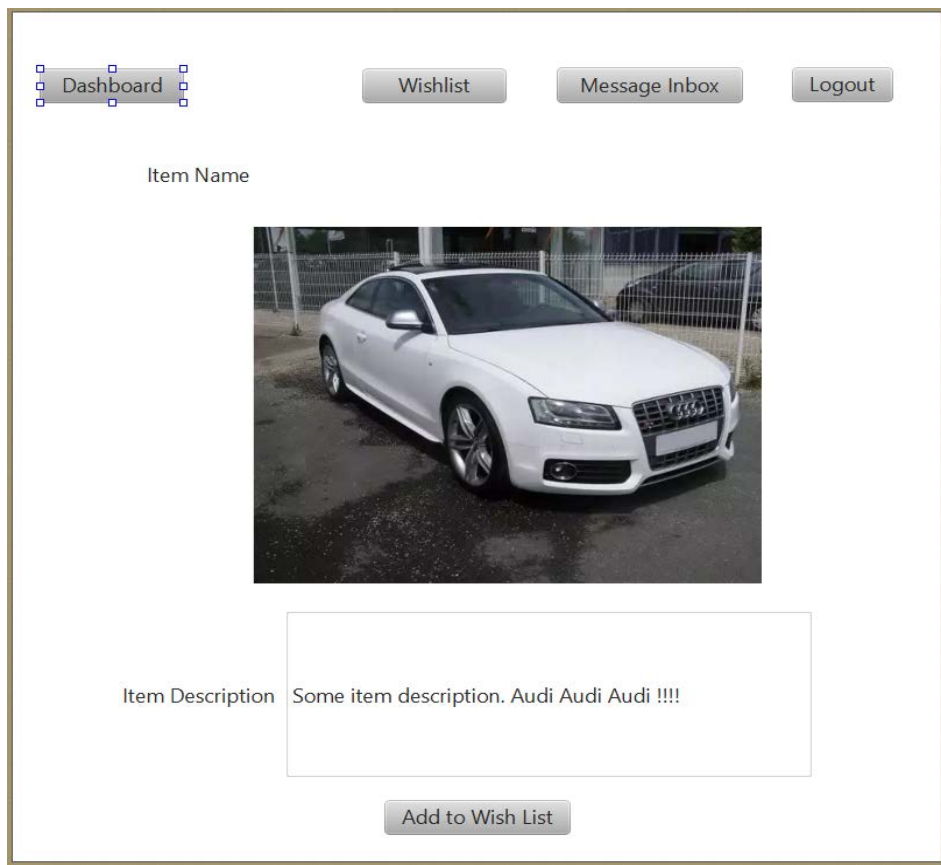
7) Buyer Dashboard



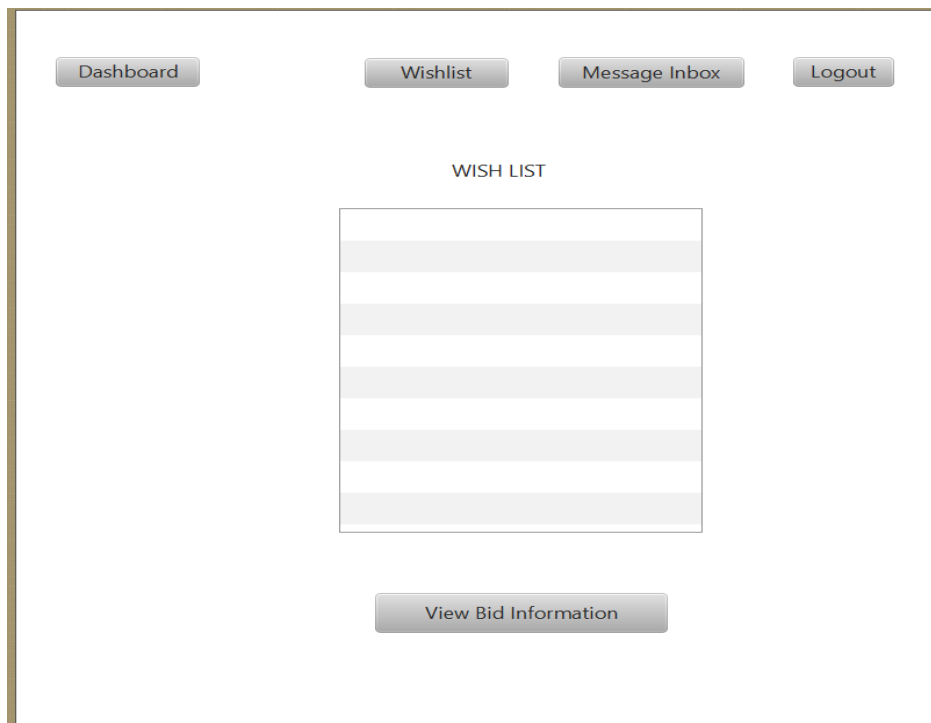
8) View Items by categories



9) Item Description



10) Wish list



11) View Bid Information

Dashboard

Wishlist

Message Inbox

Logout

Bid Information

Bid Price

Post your Bid

View Seller Information

12) View Seller Information

Dashboard

Message Inbox

Logout

Name

Rating

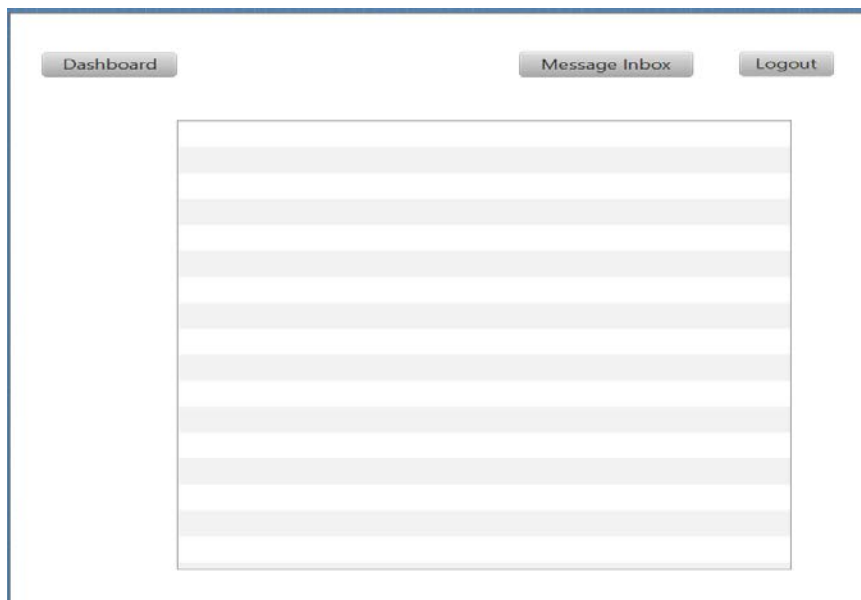
Phone

Email

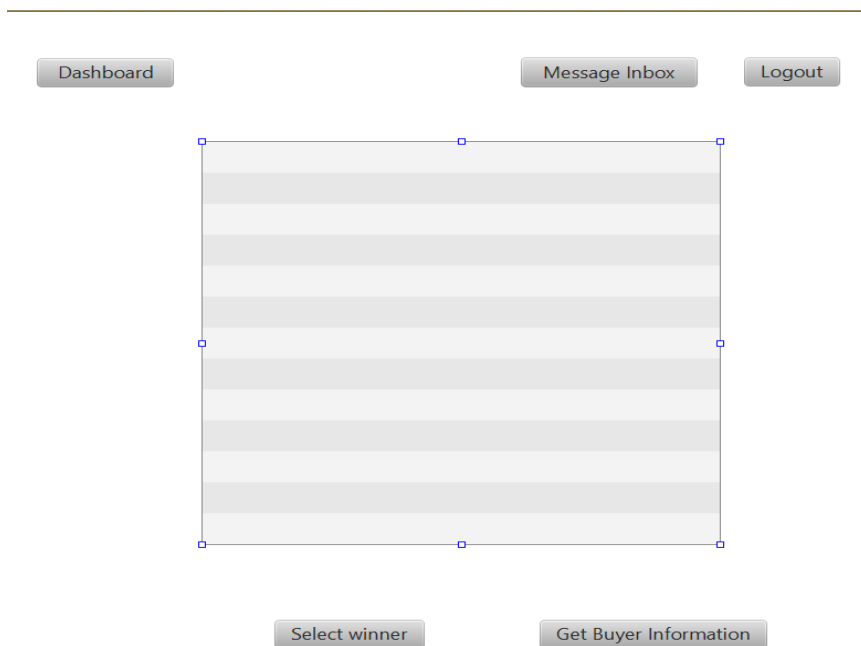
Address

Go Back to Wishlist

13) Seller Message Box



14) Select the Winner of the bid



15) View Buyer Information

[Dashboard](#)[Message Inbox](#)[Logout](#)

Name

Rating

Phone

Email

Address

16) Buyer Message box

[Dashboard](#)[Add to Wish List](#)[Message Inbox](#)[Logout](#)

Click to Proceed

17) Choose Payment options

Dashboard

Add to Wish List

Message Inbox

Logout

Pay By card

Pay By Barter

18) Pay by Card

Dashboard

Add to Wish List

Message Inbox

Logout

Card Number

CVV

Expiration

Name

Submit

19) Pay by Barter

Dashboard

Add to Wish List

Message Inbox

Logout

Choose Category

Item Name

Item Description

Upload Picture

No File choosen

Send Barter Request

20) Admin deletes User

Dashboard

Logout

Delete User

Data Storage

We will be using mysql for the databases. Our databases will be hosted on AWS. All the Models are placed in the AWS cloud. When retrieving response from the AWS we will use JSON format and XML format to encapsulate the data.

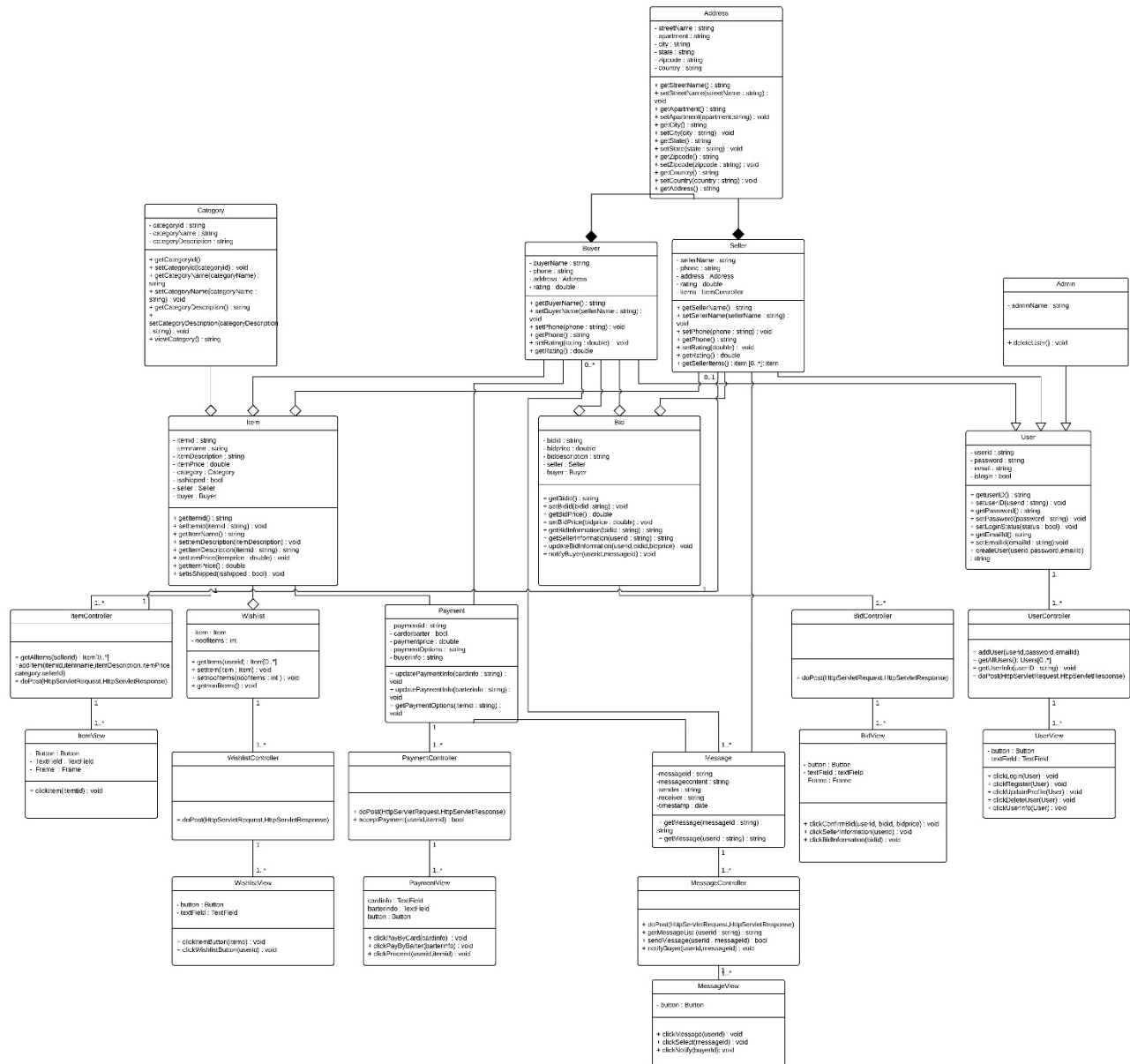
Example of JSON

```
{  
  "user id " : userid  
  "password" : password  
}
```

Example of XML

```
<userid> userid </userid>  
<password> password </password>
```


Class Diagram



Class diagram link: <https://github.com/avra0601/CSCI-5448-OOAD-project/blob/master/Class%20Diagram.jpeg>