

Functional Requirements:

Backlog ID	Functional Requirements
1	<p>As a user, I would like to have a page to sign up my account with email.</p> <ul style="list-style-type: none">• 1.1 Signup user, Severity = 1<ul style="list-style-type: none">◦ Expected input:<ul style="list-style-type: none">■ Enter email and password in sign up page◦ Expected output:<ul style="list-style-type: none">■ Server receive email and password• 1.2 Create valid user, Severity = 1<ul style="list-style-type: none">◦ Expected input:<ul style="list-style-type: none">■ Create user with email and password in server◦ Expected output:<ul style="list-style-type: none">■ User created in database and the signup page goes to main page in frontend• 1.3 Create invalid user, Severity = 1<ul style="list-style-type: none">◦ Expected input:<ul style="list-style-type: none">■ Create user with invalid email and password in server◦ Expected output:<ul style="list-style-type: none">■ No user was created in database and error message show in front end.
2	<p>As a user, I would like to have a secure login page with my email and password.</p> <ul style="list-style-type: none">• 2.1 Login valid user, Severity = 1<ul style="list-style-type: none">◦ Expected input:<ul style="list-style-type: none">■ Enter email and password in sign up page◦ Expected output:<ul style="list-style-type: none">■ Login page goes to main page• 2.2 Login invalid user, Severity = 1<ul style="list-style-type: none">◦ Expected input:<ul style="list-style-type: none">■ Enter invalid email and password in sign up page◦ Expected output:<ul style="list-style-type: none">■ Error message shows in front end
3	<p>As a user, I would like to be able to modify my account information.</p> <ul style="list-style-type: none">• 3.1 Render edit account page, Severity = 1<ul style="list-style-type: none">◦ Expected input:<ul style="list-style-type: none">■ Click edit account in main page◦ Expected output:<ul style="list-style-type: none">■ An edit account page rendered• 3.2 Save valid modification, Severity = 1<ul style="list-style-type: none">◦ Expected input:<ul style="list-style-type: none">■ User modify the account and save◦ Expected output:<ul style="list-style-type: none">■ Server update user information in database and front end receive success message• 3.3 Save invalid modification, Severity = 1<ul style="list-style-type: none">◦ Expected input:<ul style="list-style-type: none">■ User modify the account with invalid information (invalid email etc.) and save◦ Expected output:

	<ul style="list-style-type: none"> ■ User's information in database stays unchanged and front end receive error message
4	<p>As a user, I would like to stay at log in stage for a certain of time, even after I close the website.</p> <ul style="list-style-type: none"> ● 4.1 Login user's account, Severity = 1 <ul style="list-style-type: none"> ○ Expected input: <ul style="list-style-type: none"> ■ Login with valid email and password ○ Expected output: <ul style="list-style-type: none"> ■ Token will be received in frontend ● 4.2 Reopen website, Severity = 1 <ul style="list-style-type: none"> ○ Expected input: <ul style="list-style-type: none"> ■ Login user account ■ Close webpage and reopen webpage ○ Expected output: <ul style="list-style-type: none"> ■ User stays login in webpage
5	<p>As a user, I would like to have a button to allow me to log out my account.</p> <ul style="list-style-type: none"> ● 5.1 Logout user account, Severity = 1 <ul style="list-style-type: none"> ○ Expected input: <ul style="list-style-type: none"> ■ User clicks logout button in main page ○ Expected output: <ul style="list-style-type: none"> ■ Web goes to login page ● 5.2 Reopen website, Severity = 1 <ul style="list-style-type: none"> ○ Expected input: <ul style="list-style-type: none"> ■ User clicks logout button in main page ■ User close and reopen website ○ Expected output: <ul style="list-style-type: none"> ■ Login page will show
6	<p>As a user, I would like to find the information of the stuff that people are willing to sell.</p> <ul style="list-style-type: none"> ● 6.1 Render page, Severity = 2 <ul style="list-style-type: none"> ○ Expected input: <ul style="list-style-type: none"> ■ User login and goes to main page ○ Expected output: <ul style="list-style-type: none"> ■ A page with listed used stuff showing in main page
7	<p>As a user, I would like to be able to post used stuff.</p> <ul style="list-style-type: none"> ● 7.1 Purchase books from cart, Severity = 1 <ul style="list-style-type: none"> ○ Expected input: <ul style="list-style-type: none"> ■ From the cart screen as a logged in user, user clicks purchase button ■ User enters payment information ■ User clicks purchase ■ User checks their email ○ Expected output: <ul style="list-style-type: none"> ■ User has a confirmation email with purchase number and amount ● 7.2 Purchase books from empty cart, Severity = 1 <ul style="list-style-type: none"> ○ Expected input: <ul style="list-style-type: none"> ■ From the cart screen as a logged in user, user clicks purchase button ○ Expected output: <ul style="list-style-type: none"> ■ Display error message and render cart screen

8	<p>As a user, I would like to be able to modify the used stuff I posted.</p> <ul style="list-style-type: none"> 8.1 Re-render page, Severity = 1 <ul style="list-style-type: none"> Expected input: <ul style="list-style-type: none"> a user makes modifications to the post he/she posted Expected output: <ul style="list-style-type: none"> A re-rendered, edited post
9	<p>As a user, I would like to be able to view all the stuff posted.</p> <ul style="list-style-type: none"> 9.1 Stuff view, Severity = 1 <ul style="list-style-type: none"> Expected input: <ul style="list-style-type: none"> User clicks view stuff button Expected output: <ul style="list-style-type: none"> Web goes to stuff category page 9.2 Reopen stuff page after adding stuff, Severity = 1 <ul style="list-style-type: none"> Expected input: <ul style="list-style-type: none"> User clicks view stuff button User clicks back and add a stuff then reopen the stuff category page Expected output: <ul style="list-style-type: none"> The new stuff should be in the stuff list
10	<p>As a user, I would like to be able to delete the post I made.</p> <ul style="list-style-type: none"> 10.1 Render page, Severity = 2 <ul style="list-style-type: none"> Expected input: <ul style="list-style-type: none"> User clicks the sorting by price option Expected output: <ul style="list-style-type: none"> A new list of goods sorted by price from low to high or high to low
11	<p>As a user, I would like to be able to sort the used stuff with price.</p> <ul style="list-style-type: none"> 11.1 Re-Render page, Severity = 2 <ul style="list-style-type: none"> Expected input: <ul style="list-style-type: none"> User clicks the sorting by price option Expected output: <ul style="list-style-type: none"> A new list of goods sorted by price from low to high or high to low
12	<p>As a user, I would like to check the stock of my posted stuff in my account.</p> <ul style="list-style-type: none"> 12.1 Romve one stuff from stock and check the number of that stuff, Severity = 2 <ul style="list-style-type: none"> Expected input: <ul style="list-style-type: none"> User choose one of his or her stuff and click on revove and reload the page Expected output: <ul style="list-style-type: none"> The number of that particular stuff will decrease by one
13	<p>As a user, I would like to chat with my buyers to advertise my merchandise, if I am a seller.</p> <ul style="list-style-type: none"> 13.1 Start online chatting with my buyer if he or she is interested in my stuff and wants to know more about it, Severity = 1 <ul style="list-style-type: none"> Expected input: <ul style="list-style-type: none"> User click on chat button to start the chatting room Expected output: <ul style="list-style-type: none"> The chatting room window appears
14	<p>As a user, I would like to chat with my sellers to bid the price, if I am a buyer.</p>

	<ul style="list-style-type: none"> 14.1 Start online chatting with my seller to ask for information and to bid the price, Severity = 1 <ul style="list-style-type: none"> Expected input: <ul style="list-style-type: none"> User click on chat button to start the chatting room Expected output: <ul style="list-style-type: none"> The chatting room window appears
15	<p>As a user, I would like to search items by price range.</p> <ul style="list-style-type: none"> 15.1 Search desire items by price range, Severity = 1 <ul style="list-style-type: none"> Expected input: <ul style="list-style-type: none"> User click on search and choose items by price range Expected output: <ul style="list-style-type: none"> The items will be found and displayed in the price range given by the user
16	<p>As a user, I would like to search items by categories.</p> <ul style="list-style-type: none"> 16.1 Search desire items by categories, Severity = 1 <ul style="list-style-type: none"> Expected input: <ul style="list-style-type: none"> User click on search and choose items by categories Expected output: <ul style="list-style-type: none"> The items will be found and displayed in the category given by the user
17	<p>As a user, I would like to save items to wishlist, so that I can check them later.</p> <ul style="list-style-type: none"> 17.1 Add items in the wishlist and check, Severity = 1 <ul style="list-style-type: none"> Expected input: <ul style="list-style-type: none"> User click on add to wishlist button and then go back to reopen the wishlist Expected output: <ul style="list-style-type: none"> The items added by the user will be found and displayed in the to the user 17.2. Update the wishlist after successful transction, Severity = 1 <ul style="list-style-type: none"> Expected input: <ul style="list-style-type: none"> User buy a item in the wishlist and then go back to reopen the widhlist Expected output: <ul style="list-style-type: none"> The item that was just bought by the user should be extracted from the wishlist and put into the history
18	<p>As a user, I would like to search items by conditions.</p> <ul style="list-style-type: none"> 18.1 Search for items that exist, Severity = 1 <ul style="list-style-type: none"> Expected input: <ul style="list-style-type: none"> User types in keywords and click search Expected output: <ul style="list-style-type: none"> System returns a list of items that match the key words 18.2. Search for items that do not exist , Severity = 1 <ul style="list-style-type: none"> Expected input: <ul style="list-style-type: none"> User types types in keywords that do not match anything and click search Expected output: <ul style="list-style-type: none"> System returns an error message saying the no items found matched.

19	<p>As a user, I would like to have my order list.</p> <ul style="list-style-type: none"> 19.1 Users place some orders, Severity = 1 <ul style="list-style-type: none"> Expected input: <ul style="list-style-type: none"> User clicks on 'order list' Expected output: <ul style="list-style-type: none"> System returns a list of orders that the users placed 19.2. Users have not placed any orders, Severity = 1 <ul style="list-style-type: none"> Expected input: <ul style="list-style-type: none"> User clicks on 'order list' of an empty list Expected output: <ul style="list-style-type: none"> System returns a message saying order list is empty
20	<p>As a user, I want to see the rating and comment of buyers.</p> <ul style="list-style-type: none"> 20.1 Display rating and comment about a buyer, Severity = 2 <ul style="list-style-type: none"> Expected input: <ul style="list-style-type: none"> User click into a buyer Expected output: <ul style="list-style-type: none"> Informations like ratings and comments of that buyer are displayed.
21	<p>As a user, I would like to rate the buyer after transaction.</p> <ul style="list-style-type: none"> 21.1 Rating option after buying, Severity = 2 <ul style="list-style-type: none"> Expected input: <ul style="list-style-type: none"> Users buys and recieves an item Expected output: <ul style="list-style-type: none"> A rating option pops out for buyer to rate the seller
22	<p>As a user, I want to see the rating and comment of sellers.</p> <ul style="list-style-type: none"> 22.1 Display rating and comment about a buyer, Severity = 2 <ul style="list-style-type: none"> Expected input: <ul style="list-style-type: none"> User click into another user Expected output: <ul style="list-style-type: none"> Informations like ratings and comments of that user are displayed.
23	<p>As a user, I would like to rate the seller after transaction.</p> <ul style="list-style-type: none"> 23.1 Rating option after buying, Severity = 2 <ul style="list-style-type: none"> Expected input: <ul style="list-style-type: none"> Users sells and the buyer recieves an item Expected output: <ul style="list-style-type: none"> A rating option pops out for seller to rate the buyer
24	<p>As a user, I want buyers know when the item is available for sell.</p> <ul style="list-style-type: none"> 24.1 Render available time, Severity = 2 <ul style="list-style-type: none"> Expected input: <ul style="list-style-type: none"> User open main page Expected output: <ul style="list-style-type: none"> Available time showing on each of the market item.
25	<p>As a developer, I would like to receive user feedback.</p> <ul style="list-style-type: none"> 25.1 Click send feedback button, Severity = 1 <ul style="list-style-type: none"> Expected input:

	<ul style="list-style-type: none"> <ul style="list-style-type: none"> ■ Add some feedback and click send feedback button. ○ Expected output: <ul style="list-style-type: none"> ■ Server receive the feedback. ● 25.2 Create valid feedback, Severity = 2 <ul style="list-style-type: none"> ○ Expected input: <ul style="list-style-type: none"> ■ Write few sentences and click send feedback. ○ Expected output: <ul style="list-style-type: none"> ■ Feedback goes into database and a “send successful” window popup. ● 25.3 Create invalid feedback, Severity = 2 <ul style="list-style-type: none"> ○ Expected input: <ul style="list-style-type: none"> ■ Creat a blank feedback and click send feedback button. ○ Expected output: <ul style="list-style-type: none"> ■ An “Invalid feedback” window should popup and the blank feedback should not goes into database.
26	<p>As a user, I would like to be able to upload my own avatar.</p> <ul style="list-style-type: none"> ● 26.1 Upload a valid picture as avatar, Severity = 1 <ul style="list-style-type: none"> ○ Expected input: <ul style="list-style-type: none"> ■ Choose a valid picture(fitted size) and click upload. ○ Expected output: <ul style="list-style-type: none"> ■ User’s avatar should be updated and database should be updated. ● 26.2 Upload an invalid picture as avatar, Severity = 1 <ul style="list-style-type: none"> ○ Expected input: <ul style="list-style-type: none"> ■ Choose an invalid picture(wrong format, too large) and click upload. ○ Expected output: <ul style="list-style-type: none"> ■ User should get a popup window that contains “Invalid Picture” message.
27	<p>As a user, I would like to change my password.</p> <ul style="list-style-type: none"> ● 27.1 Send a valid user name and request for changing password, Severity = 1 <ul style="list-style-type: none"> ○ Expected input: <ul style="list-style-type: none"> ■ A valid username and reuquest for changing password. ○ Expected output: <ul style="list-style-type: none"> ■ A link to chang password page should be sent to the email account associated with the account ● 27.2 Send a invalid user name and request for changing password, Severity = 1 <ul style="list-style-type: none"> ○ Expected input: <ul style="list-style-type: none"> ■ An invalid username and reuquest for changing password. ○ Expected output: <ul style="list-style-type: none"> ■ Error message should be displayed. No change in the databse
28	<p>As a user, I would like to block user sending spams.</p> <ul style="list-style-type: none"> ● 28.1 Block a user , Severity = 1 <ul style="list-style-type: none"> ○ Expected input: <ul style="list-style-type: none"> ■ Enter the valid userName . ○ Expected output: <ul style="list-style-type: none"> ■ A confirmation window should be propmpted and the related info is saved in the database ● 28.2 Block an non-existing user , Severity = 1

	<ul style="list-style-type: none"> ○ Expected input: <ul style="list-style-type: none"> ■ Enter a userName that hasn't been created yet. ○ Expected output: <ul style="list-style-type: none"> ■ Error message should be displayed.No change in the databse
29	<p>As a user, I would like to report bad seller / buyer.</p> <ul style="list-style-type: none"> ● 29.1 Send the bad seller/buyer's info and related proof, Severity = 1 <ul style="list-style-type: none"> ○ Expected input: <ul style="list-style-type: none"> ■ A valid user's info and screenshot of the proof ○ Expected output: <ul style="list-style-type: none"> ■ A message should be displayed to tell the user that the team will start investigation on this. The report info is saved in the database ● 29.2 Send an invalid user info , Severity = 1 <ul style="list-style-type: none"> ○ Expected input: <ul style="list-style-type: none"> ■ An invalid username ○ Expected output: <ul style="list-style-type: none"> ■ Error message should be displayed. No change in the databse
30	<p>As a user, I would like to give some suggestions for future modifies.</p> <ul style="list-style-type: none"> ● 30.1 Send a feedback and contact info, Severity = 1 <ul style="list-style-type: none"> ○ Expected input: <ul style="list-style-type: none"> ■ Feedback content and contact info ○ Expected output: <ul style="list-style-type: none"> ■ A thanks message is displayed and feedback info is saved in the database