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## **Use cases**

### **project vision**

**The Bear trade platform will provide its users the platform to sell goods(textbooks, furniture, etc) and post the need for said good to the community. Selling could be done either by bidding or by making a regular "sell" post. There should be various payment methods supported(cash, paypal, google pay, apple pay, etc). The seller and buyer can evaluate each other after ending the trade, and the evaluation will be counted into credit. A user's profile can be viewed by the other users in the community.**

use cases:

make the required post-Tina  
place the bid-Eric  
place th regular selling post-Eric  
make the payments-Ting-chen  
bidding-Tina  
comment-Eric  
search  
mark the solded items-Ting-chen  
view profiles-Ting-chen  
evaluation(product and users)-Tina

### **use case-Tina**

#### **make the required post**

**Scope:** Bear Trade system

**Level:** user goal

**Primary Actor:** buyer

**Stakeholders and Interests:**

- buyer: can make the request of the specific items;
- seller: can repond the request in order to sell the unused items and make the benefit;
- manager: manage the post, and filter out the unqualified item post

**Preconditions:** the buyer is able to make the post, and the buyer is already logged in

**Postconditions:** the details about the request is filled and the users in the same community are able to see it and make the comments. The buyer can manage the request post later like delete or make the deal.

**Main Success Scenario:**

1. the buyer make the request post
2. the buyer fill the information: items name, price, items description and preferred payment method
3. system record the information and return the information buyer entered
4. buyer consent the posting
5. system post the request into the community

**Extension:**

a. duplicated post

1. system returns the previous post, and ask whether make a change or cancel the new post
2. if the buyer choose to make a change, system will return the editing post page, and buyer make the change, then save and make visible to the other user. if choose to cancel, then close the request window

b. invalid price range (negative number)

1. the system will show the warning message and ask the user to type the price again until the price is in valid range

c. no entered for preferred payment method

1. the system will set the google pay in default

Bidding

**Scope:** Bear Trade system

**Level:** user goal

**Primary Actor:** buyer

**Stakeholders and Interests:**

- buyer: can bid the higher price
- seller: can get the higher price deal than the initial price
- manager: manage the bid, and filter out the unqualified bid

**Preconditions:** the buyer is visible to the bid post, and buyer credit is able to make a bid

**Postconditions:** the price of the bid is elevated, and the buyer who post the highest bid so far temporarily take the bid

**Main Success Scenario:**

1. the buyer saw the bid information about the price and time last
2. the buyer input the price
3. the system record the price and the bid owner
4. the system update the price of the bid post

**Extension:**

a.invalid price input

1. the system will show the error message
2. the system will ask the input the price again or give up bidding untill the valid price input or give up bidding

b.invalid credit

1. the system will show the error message and cancel the bidding request
2. the system return to the home page

**evaluation**

**Scope:** Bear Trade system

**Level:** user goal

**Primary Actor:** buyer, seller

**Stakeholders and Interests:**

- buyer: can reflect the experience of this trade, and report the bad behavior throught the trade
- seller: can reflect the experience of this trade, and report the bad behavior throught the trade
- manager: manage thecommunity user, and restrict the user which has low credit

**Preconditions:** the trade is finished successfully

**Postconditions:** the buyer and seller credit might be changed becuase the evaluation.

**Main Success Scenario:**

1. The participants(buyer or seller) will receive a questionnaire from system about grade the other participant, comment the trade and report the user
2. once the both participants finished the questionnaire, the system will end the evaluation and recalculate and update the credit for each users

**Extension:**

a.no evaluation input

1. if the user is not evaluated the other in certain time, the evaluation will not influence toward the other credit

b. report the user

1. the system will send the message to the manager
2. manager will verify and evaluate the report, and reflect the deduction on the other's credit
3. the system will record the deduction and recalculate and update the credit

## **use case - Ting-chen**

■ Use Case: View user profiles on Bear trade platform

■ Primary Actor: Users

■ Scope: Bear trade platform system

■ Level: User goal

■ Stakeholders and interests

Customers

-people that want to make a payment on the platform

Sellers:

-people who want to sell their items on the platform

System maintainer

-person who makes sure the platform is running properly and is responsible for updating and maintaining the system.

■ Preconditions: Bear trade platform is running and the customers and the sellers are identified and authorized to access the platform.

■ Success Guarantees(Postconditions): A user, either a buyer or a seller, can view other users profiles.

■ Main Success Scenario (Basic Flow):

1. A user opens the profile of another user.
2. The profiles shows basic information such as account id, name, evaluation about the user, contact information, and credit history.
3. On the profile page, a user can chat with the desire person through a message box.

■ Extensions:

■ a. Update profile

– A user can edit his or her profile as desired.

■ b. Deleted Account

– If a user decided to delete the account, his or her profile will be permantly removed.

- System prompts the user to enter a valid item ID again

■ c. Eliminating user profiles under standard evaluation score

- Platform system checks if a user has a low evaluation score below the defined standard score.

- Platform system sends an email to the user that his or her profile will no longer be visible on the website.

■ d. any actions that alerts the security system of the trading platform.

- The system should send an urgent emergency note to the system maintainer.

■ Use Case: Making a payment on Bear trade platform

■ Primary Actor: Customers

■ Scope: Bear trade platform system

■ Level: User goal

■ Stakeholders and interests

## Customers

-people that want to make a payment on the platform

## Sellers:

-people who want to sell their items on the platform

## System maintainer

-person who makes sure the platform is running properly and is responsible for updating and maintaining the system.

■ Preconditions: Bear trade platform is running and the customers and the sellers are identified and authorized to access the platform.

■ Success Guarantees(Postconditions): The correct amount of charge is calculated. Card validation and other online payment methods are checked when the payment is paid by a credit card or the online payments methods. A transaction is processed. Payment authorization approval is recorded. The receipt is sent through text message or email. Items are being shipped to the address.

■ Main Success Scenario (Basic Flow):

1. Customer enters an item id on the platform.
2. The platform checks if an item id is valid.
3. The cost of the item is calculated.
4. The amount is showed on the web page.
5. The order page asks for the payment option, either cash or online payment methods, such as google pay or apple pay.
6. The transacting system verifies the payment option.
7. A transaction is processed with customer's payment option.
8. The item purchased is recorded.
9. The platform asks for mailing address.
10. The platform asks if the user want to receive the receipt, either through text message or email address.
11. The transaction process record is saved.

■ Extensions:

■ a. Invalid credit card information

– Transaction process stops. System returns a message requiring the customer to try again with other credit cards or other payment options.

■ b. Invalid item ID

– System signals an error message and rejects entry

- System prompts the user to enter a valid item ID again

■ c.: System does not receive a response from the user in a timely manner after prompting for a payment method.

- System stops the process.

- System returns to the starting status and gets ready for processing a new transaction.

■ d any actions that alerts the security system of the trading platform.

- The system should send an urgent emergency note to the system maintainer.

■ Use Case: Mark the sold items on Bear trade platform

■ Primary Actor: platform system

■ Scope: Bear trade platform system

■ Level: User goal

■ Stakeholders and interests

Sellers:

-people who sell items on the platform and want to know whether an item has been sold.

System maintainer

-person who makes sure the platform is running properly and is responsible for updating and maintaining the system.

■ Preconditions: Bear trade platform is running and the customers and the sellers are identified and authorized to access the platform.

■ Success Guarantees(Postconditions): After a transaction succeeds, the item sold will be marked sold and be no longer available to the buyers.

■ Main Success Scenario (Basic Flow):

1. An item is marked sold after a successful transaction.
2. The seller receives a message saying that certain item id is sold.
3. The seller can view the final amount a specific item is sold for on their account.
4. The item id is removed from the platform visible to the buyers.

■ Extensions:

■ a. System stops functioning

– The system restarts.

■ b. Customers find system fails to update page.

– System maintainer should fix the problem.

■ c. Customers find system fails to remove sold items.

– System maintainer should fix the problem and update the webpage.

## **use case - Eric**

Use Case 1: Post a Comment

Scope: Bear Trade System

Level: User Goal

Primary Actor: Commentator

Stakeholders and Interests:

- Commentator: A user who wishes to post a comment on the Bear Trade Platform
- User: Wish to use system and receive comments

Preconditions: The commentator is logged in and can comment.

Postconditions: A comment is posted by the commentator to the chosen page and is made visible to all who view the page.

#### Main Success Scenario:

1. The commentator navigates to another user or product that they wish to comment on.
2. The commentator navigates to the comments for the other user or product.
3. The commentator types a comment.
4. The commentator submits their desired comment.
5. The comment appears with any other comments on the user or product's page.

#### Extensions:

1. At any time, the system stops functioning.
  1. The system restarts.
2. At any time, the commentator no longer wishes to make a comment.
  1. The commentator cancels the act of making a comment.
- 5a. The commentator no longer wishes for their comment to be visible.
  1. The commentator requests to delete the comment.
  2. The system deletes their comment.

#### Use Case 2: Create a Selling Post

Scope: Bear Trade System

Level: User Goal

Primary Actor: Seller

#### Stakeholders and Interests:

- Seller: Wishes to post an item to sell on the Bear Trade Platform
- Buyer: Wishes to buy items from sellers

Preconditions: The user is logged in and wishes to post an item to sell.

Postconditions: A new item is posted by the user to the Bear Trade Platform.

#### Main Success Scenario:

1. The seller navigates to their page.
2. The seller starts a new selling post.

3. The seller enters the name of the item they wish to sell.
4. The seller enters a description for the item.
5. The seller provides a price for the item.
6. The seller submits the post of the item.
7. The system registers the post, and it becomes visible.

Extensions:

- a. At any time, the system stops functioning.
  1. The system restarts.
- 1-5a. The seller no longer wishes to create a selling post.
  1.
    1. The user cancels the act of making a selling post.
- 7a. The user no longer wishes for their selling post to be visible.
  1. The user requests to delete the selling post.
  2. The system deletes their post.

### Use Case 3: Creating a Bidding Post

Scope: Bear Trade System

Level: User Goal

Primary Actor: Seller

Stakeholders and Interests:

- Seller: Wishes to post an item to bid for on the Bear Trade Platform
- Buyer: Wishes to buy items from sellers

Preconditions: The user is logged in and wishes to post an item to bid.

Postconditions: A new item is posted by the user to the Bear Trade Platform.

Main Success Scenario:

1. The seller navigates to their page.
2. The seller starts a new bidding post.
3. The seller enters the name of the item they wish to auction off.



4. The seller enters a description for the item.
5. The seller provides an initial bidding price for the item.
6. The seller provides a timeframe for the bidding.
7. The seller submits the post of the item.
8. The system registers the post, and it becomes visible.

Extensions:

- a. At any time, the system stops functioning.

The system restarts.

1-6a. The user no longer wishes to create a bidding post.

1.

- a. The user cancels the act of making a bidding post.

8a. The user no longer wishes for their bidding post to be visible.

The user requests to delete the bidding post.

1. The system deletes their post.