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operation contracts

Tina

Operation: createRequestPost()

Cross References: use Cases: Request post

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

Postconditions: it creates a request Post windows and returns to the user

Operation: giveInfo(product,description, price, preferPayment)

Cross References: Request post

Preconditions: The request Post window is created

Postconditions: product name, description, price and preferPayment are recorded

operation: changePost(description, price, condition, preferPayment)

Cross References: request post

Preconditions: the request post already existed in the users posting list

Postconditions: some of fields in request post is changed

operation:

Eric

Contract 1:

Operation: goTo(item)

Preconditions:

- The user is logged in.

Postconditions:

- The user arrives at the location of the item online.
- No change to the data in the server

Contract 2:

Operation: createComment(item, message)

Preconditions:

- The user is logged in.
- The item exists online.

Postconditions:

- A comment is posted on "item"'s page.
- Comment contains message "message".

Contract 3:

Operation: createSellingPost(product, description, price)

Preconditions:

- The user is logged in.
- The user has a valid product to sell.

Postconditions:

- A selling post is created for "product".
- The post contains the description "description".
- The post's product is sold for price "price".

Contract 4:

Operation: createBiddingPost(product, description, startPrice, timeInterval)

Preconditions:

- The user is logged in.
- The user has a valid product to sell.

Postconditions:

- A bidding post is created for "product".
- The post contains the description "description".
- The post's product is initially priced at "startingPrice".
- The post will only be active during the time interval "timeInterval".

Ting-chen

Contract1: makePayment

Operation: makePayment(itemID:itemID)

Cross References: Use Cases: make payment

Pre-conditions: There is a transaction being processed.

Post-conditions:

A corresponding itemID will be verified for
availability to purchase.

Contract2: givePaymentOption
Operation: givePaymentOption(option)
Cross References: Use Cases: make payment
Pre-conditions: A payment is being processed.
Post-conditions:
 A payment option is generated and return.

Contract3: provideAfterPaymentInfo
Operation: provideAfterPaymentInfo(address, receipt choice)
Cross References: Use Cases: ask for post payment information
Pre-conditions: A transaction is being processed.
Post-conditions:
 The item ID that a user desired to buy is verified.
 The corresponding item is marked sold.
 A mailing address is created
 A receipt choice is created.

Contract4: markItemSold
Operation: markItemSold()
Cross References: Use Cases: mark items sold
Pre-conditions: a transaction happened.
Post-conditions:
 The item Id will be associated with a sold tag.
 The item will be removed from the available items list.

Contract5: updateSellerProfit
Operation: updateSellerProfit()
Cross References: Use Cases: update profit amount on seller profiles
Pre-conditions: a transaction being processed.
Post-conditions:
 The amount of money earned from the transaction will be put onto the seller's profile.
 The new total of money gained for a certain user will be updated on the profile.

Contract6: updateAvailableItems
Operation: updateAvailableItems()
Cross References: Use Cases: update list of available items
Pre-conditions: items being sold from the platform.
Post-conditions:
 ItemId of sold items will be removed from the viewable list to users.
 The quantity of items will be updated.

Contract7: viewProfile
Operation: viewProfile(profileId)
Cross References: Use Cases: view profile
Pre-conditions: user profiles already exist.

Post-conditions:

Individual profile page can be accessed by other users based on profileId.

Contract8: leaveMessage

Operation: leaveMessage(text)

Cross References: Use Cases: leave messages

Pre-conditions: message boxes are set up.

Post-conditions:

Instances of messages(text) will be created.

Messages can be put into the message box.

Contract9: updateProfile

Operation: updateProfile(info)

Cross References: Use Cases: update profile

Pre-conditions: a user profile exists.

Post-conditions:

A existing user profile ID needs to be present.

New information instances will be uploaded to the user's profile.

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