

Project: Marketplace

UseCase: Seller submits offer

Scope: Marketplace

SuD: Marketplace Information System

Primary actor: Seller

Supporting actor: Trade Commission

Main success scenario specification:

1. Seller submits item description
2. System validates the description
3. Seller adjusts/enters price and enters contact and billing information
4. System validates the seller's contact information
5. System verifies the seller's history to permit the seller to operate
6. System validates the whole offer with the Trade Commission
7. System lists the offer in published offers
8. System responds with a uniquely identified authorization number

Extensions:

- 2a. Item not valid
 - 2a1. Use case aborted
- 5a. Seller's history inappropriate
 - 5a1. Use case aborted
- 6a. Trade commission rejects the offer

Sub-variations:

- 2b. Price assessment available
 - 2b1. System provides the seller with a price assessment

UseCase: Buyer searches for an offer

Scope: Marketplace

SuD: Marketplace Information System

Primary actor: Buyer

Main success scenario specification:

1. Buyer enters basic search criteria
2. System responds with the list of matches
3. Buyer requests the complete listing of a selected offer
4. System responds with the requested information

Extensions:

- 2a. No matches found
 - 2a1. Use case aborted

Sub-variations:

- 2b. The amount of matches is too high
 - 2b1. Buyer narrows the search results with additional criteria

UseCase: Buyer buys a selected item

Scope: Marketplace

SuD: Marketplace Information System

Primary actor: Buyer

Supporting actor: Seller

Supporting actor: Credit Verification Agency

Main success scenario specification:

1. Buyer chooses to accept a selected offer
2. System validates the offer
3. User enters billing information, select a payment method and provides the payment details
4. System validates the buyer's information with the Credit Verification Agency
5. System performs the sale
6. System informs the seller that the offer has been accepted and provides the shipping information
7. System transfers the payment to the sellers account
8. System responds to the buyer with an uniquely identified authorization number

Extensions:

- 2a. Offer is not valid

UseCase: Seller cancels an offer

Scope: Marketplace

SuD: Marketplace Information System

Primary actor: Seller

Main success scenario specification:

1. Seller locates a previously submitted offer
2. Seller requests the system to cancel the offer
3. System responds with a request for the seller to prove identity
4. Seller responds with the authorization number obtained when the offer was submitted
5. System validates the request and seller's identity
6. System removes the offer

Extensions:

- 4a. Seller cannot provide the authorization number
 - 4a1. Use case is aborted
- 5a. Authorization number is not valid

UseCase: Seller checks on the status of an offer

Scope: Marketplace

SuD: Marketplace Information System

Primary actor: Seller

Main success scenario specification:

1. Seller locates a previously submitted offer
2. Seller requests the system to provide status of the offer
3. System responds with a request for the seller to prove identity
4. Seller responds with the authorization number submitted returned when the offer was submitted
5. System validates the request and seller's identity
6. System returns the status of the offer

Extensions:

- 4a. Seller cannot provide the authorization number
 - 4a1. Use case is aborted
- 5a. Authorization number is not valid

UseCase: Seller updates an offer

Scope: Marketplace

SuD: Marketplace Information System

Primary actor: Seller

Main success scenario specification:

1. Seller locates a previously submitted offer
2. Seller requests the system to update the offer, providing new details (e.g., price)
3. System responds with a request for the seller to prove identity
4. Seller responds with the authorization number returned when the offer was submitted
5. System validates the request and seller's identity
6. System updates the offer

Extensions:

- 4a. Seller cannot provide the authorization number
 - 4a1. Use case is aborted
- 5a. Authorization number is not valid

UseCase: Buyer makes a purchase

Scope: Marketplace

SuD: Marketplace Information System

Primary actor: Buyer

Supporting actor: Seller

Supporting actor: Credit Verification Agency

Main success scenario specification:

1. Buyer searches for an offer
2. Buyer buys a selected item

Extensions:

- 1a. The Buyer did not find any matching offer
 - 1a1. Use case aborted

Sub-variations:

- 1b. The Buyer decides not to accept the offer

UseCase: Clerk submits an offer on behalf of a Seller

Scope: Marketplace

SuD: Computer System

Primary actor: Clerk

Supporting actor: Trade Commission

Supporting actor: Supervisor

Supporting actor: Seller

Main success scenario specification:

1. Clerk submits information describing an item
2. System validates the description
3. Clerk adjusts/enters price and enters seller's contact and billing information
4. System validates the seller's contact information
5. System asks the Supervisor to validate the seller
6. Supervisor permits the seller to operate on the marketplace
7. System validates the whole offer with the Trade Commission
8. System lists the offer in published offers
9. System responds with an uniquely identified authorization number

Extensions:

- 2a. Validation performed by the system fails
 - 2a1. Use case aborted
- 7a. Trade commission rejects the offer
 - 7a1. Use case aborted

Sub-variations:

- 2b. Price assessment available
 - 2b1. System provides the seller with a price assessment

UseCase: Buyer searches for an offer

Scope: Marketplace

SuD: Computer System

Primary actor: Buyer

Main success scenario specification:

1. Buyer enters basic search criterion
2. System responds with the list of matches
3. Buyer requests the complete listing of a selected offer
4. System responds with the requested information

Extensions:

- 2a. No matches found
 - 2a1. Use case aborted

Sub-variations:

- 2b. The amount of matches is too high
 - 2b1. Buyer narrows the search results with additional criteria

UseCase: Clerk buys a selected item on behalf of a Buyer

Scope: Marketplace

SuD: Computer System

Primary actor: Clerk

Supporting actor: Seller

Supporting actor: Credit Verification Agency

Supporting actor: Buyer

Main success scenario specification:

1. Clerk is contacted by a buyer who has decided to accept a selected offer
2. System validates the offer
3. Clerk enters billing information, select a payment method and provides the necessary detail

4. System validates this information with a Credit Verification Agency
5. System performs the trade
6. System informs the seller that the offer has been accepted and provides the shipping information
7. System transfers the payment to the sellers account
8. System responds to the buyer with an uniquely identified authorization number

Extensions:

- 2a. Offer is not valid
- 2a1. Use case abort

UseCase: Seller cancels an offer

Scope: Marketplace

SuD: Computer System

Primary actor: Seller

Main success scenario specification:

1. Seller locates a previously submitted offer
2. Seller requests the system to cancel the offer
3. System responds with a request for the seller to prove identity
4. Seller responds with the authorization number returned when the offer was submitted
5. System validates the request and seller's identity
6. System removes the offer

Extensions:

- 4a. Seller cannot provide the authorization number
- 4a1. Use case is aborted
- 5a. Authorization number is not valid
- 5a1. Use case is aborted

UseCase: Seller checks on the status of the offer

Scope: Marketplace

SuD: Computer System

Primary actor: Seller

Main success scenario specification:

1. Seller locates a previously submitted offer
2. Seller requests the system to provide status of the offer
3. System responds with a request for the seller to prove identity
4. Seller responds with the authorization number returned when the offer was submitted
5. System validates the request and seller's identity
6. System returns the status of the offer

Extensions:

- 4a. Seller cannot provide the authorization number
- 4a1. Use case is aborted
- 5a. Authorization number is not valid
- 5a1. Use case aborted

UseCase: Seller updates an offer

Scope: Marketplace

SuD: Computer System

Primary actor: Seller

Main success scenario specification:

1. Seller locates a previously submitted offer
2. Seller requests the system to update the offer, providing new details (e.g., price)
3. System responds with a request for the seller to prove identity
4. Seller responds with the authorization number returned when the offer was submitted
5. System validates the request and seller's identity
6. System updates the offer

Extensions:

- 4a. Seller cannot provide the authorization number
 - 4a1. Use case is aborted
- 5a. Authorization number is not valid
 - 5a1. Use case aborted

UseCase: Supervisor makes an internal audit

Scope: Marketplace

SuD: Computer System

Primary actor: Supervisor

Main success scenario specification:

1. Supervisor searches the database of offers for sensitive keywords in item description
2. System displays the description of the item
3. Supervisor removes the item from the database of currently visible offers

Extensions:

- 1a. Supervisor did not find any match
 - 1a1. Use case terminates
- 2a. Supervisor did not find any offending items
 - 2a1. Use case terminates

UseCase: Seller to Clerk

Scope: Marketplace

SuD: Clerk

Primary actor: Seller

Supporting actor: Computer System

Main success scenario specification:

1. Seller submits item description to the clerk
2. Clerk submits the description to the system
3. Clerk reports the system response to the seller
4. Seller submits the price, billing and contact information to the clerk
5. Clerk enters the price, billing and contact information to the system
6. Clerk reports the system response to the seller

Extensions:

- 2a. Validation performed by the system fails
 - 2a1. Use case abort

UseCase: Buyer to Clerk

Scope: Marketplace

SuD: Clerk

Primary actor: Buyer

Supporting actor: Computer System

Main success scenario specification:

1. Buyer submits to the clerk a reference to a selected offer
2. Clerk submits the reference to the system
3. Clerk reports the system response to the seller and requests billing and shipping information, payment method and payment details
4. Buyer submits to the clerk the requested billing and shipping information, payment method and payment details
5. Clerk enters the billing and shipping information, payment method and payment details
6. Clerk reports the system response (with the unique acknowledgment) to the buyer

Extensions:

- 4a. System failed to validate the offer
- 4a1. Use case abort

UseCase: Supervisor validates a seller

Scope: Marketplace

SuD: Supervisor

Primary actor: Computer System

Main success scenario specification:

1. Computer system asks the supervisor to decide on permitting a seller to operate on the marketplace
2. Supervisor validates the seller and signals the system to permit the seller to operate