IBID

Use-Case Model

Version <1.0>

Revision History

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| --- | --- | --- | --- |
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| 20.03.2023 | 1.0 | Planning and designing the application | Alexandra Maria Sicobean |
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# Use-Cases Identification

Actors:

Volunteer - The user who wants to bid on items in the organization's office.

Organization Admin - The user who manages the bidding process and the items available for bidding.

Scenarios:

Volunteer wants to bid on an item.

Organization Admin wants to add new items available for bidding.

Organization Admin wants to view bidding statistics and results.

Use case 1: Place Bid

Level: User-goal level

Primary actor: Volunteer

Main success scenario:

1. Volunteer logs in to the bidding application.
2. Volunteer navigates to the available items.
3. Volunteer selects the item to bid on and enters the bid amount.
4. System validates the bid amount.
5. System confirms the bid and updates the bidding history.
6. Extensions:
7. The bid amount is less than the current highest bid, in which case the system displays an error message and prompts the user to enter a higher bid amount.
8. The bidding period has ended, in which case the system displays an error message and prompts the user to wait for the next bidding period.

Use case 2: Add New Item

Level: Sub-function

Primary actor: Organization Admin

Main success scenario:

1. Organization Admin logs in to the bidding application.
2. Organization Admin navigates to the item management section.
3. Organization Admin enters the details of the new item.
4. System validates the item details.
5. System adds the item to the available items list.
6. Extensions:
7. The item details are incomplete or invalid, in which case the system displays an error message and prompts the user to enter valid details.
8. The item already exists, in which case the system displays an error message and prompts the user to update the existing item instead.

Use case 3: View Bidding Statistics

Level: Summary level

Primary actor: Organization Admin

Main success scenario:

1. Organization Admin logs in to the bidding application.
2. Organization Admin navigates to the bidding statistics section.
3. System displays the bidding statistics, including the total number of bids, highest bid, and the winner of each item.

Extensions:

None.

# UML Use-Case Diagrams

