**Lab 5: Use Case Specification**

**Enter your work here**

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**Task 1:**

# Use cases specification template

< ToDo: Create a table for each use case. Use cases must be numbers e.g., UC01, UC02…. />

|  |  |  |
| --- | --- | --- |
| **Use case Id:** UC**??** | Sell Item | |
| **Brief Description** | Client wants to sell an Item. System receives item information and record item for sale | |
| **Primary actors** | Client | |
| **Trigger(s)** | Client wants to sell Item | |
| **Preconditions:**  Client must have existing account  Client should have either Smartphone/Normal Mobile Phone/Land Phone device to sell | | |
| **Post-conditions:**  Item is added and ready to be available for sale | | |
| **Main Success Scenario: Item has been successfully recorded** | | |
| **Actor Action** | | **System Response** |
| 1. Select category of Item | |  |
| **2.** Enter provide item details | | 3. Record Item Details and ask client to choose sale option (auction or fixed) |
| **4.** Client selects sale option: auction | | 5. Ask client to submit starting price and end of auction time (see alternative flow 5.a) |
| 6. Client submits required information | | 7. Assigns ID to the item |
|  | | 8. Attach the item with the client Registration |
|  | | 9. <include: “Create Catalog entry”> |
|  | | 10. Inform the client about info submitted for sale |
| **Alternative flows:**  5.a. For fixed price, ask client to submit fixed price, and resume to step 6 | | |

**Task 2:**

# Use cases specification template

< ToDo: Create a table for each use case. Use cases must be numbers e.g., UC01, UC02…. />

|  |  |  |
| --- | --- | --- |
| **Use case Id:** UC**??** | Buy item on auction | |
| **Brief Description** | Client can bid for an item to sale. System finds highest bidder at end of auction time and decides the winner. | |
| **Primary actors** | Client | |
| **Trigger(s)** | Client want to bid for an item | |
| **Preconditions:**  Client should have an account  2. Item is available in catalog entry  3.Auction time must be valid | | |
| **Post-conditions:**   1. Item status changed to sold 2. A winner was declared | | |
| **Main Success Scenario: The system successfully declared a winner with highest bid** | | |
| **Actor Action** | | **System Response** |
| 1. Client selects at item at bid | | 2. Ask the client to provide a bid |
| 1. The client submits a price | | 1. Validates and records bid with the client registration (see 4a) |
|  | | 1. Finds highest bid at the end of auction time |
|  | | 1. Notify the client with highest bid |
|  | | 1. Change status of item to “Sold” |
|  | | 1. <include: “Remove from catalog Entry”> |
|  | | 1. <include: “create invoice”> |
| **Alternative flows:**  4.a.If a bid is less than the last accepted bid, the bid is rejected, and asks the client to bid again with a higher price | | |