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| *Use case name* | Login |
| *Participating actors* | Registered User |
| *Flow of events* | 1. Registered User opens the app on his/her phone. 2. AUCTIONSYSTEM displays the home page that shows “Login” button, “Sign up” button and top products. 3. Registered User clicks on the “Login” button. 4. AUCTIONSYSTEM displays the login page that asks the Registered User for Registered Username and password. 5. Registered User enters his/her Registered Username and password and clicks on login button. 6. AUCTIONSYSTEM system takes the information in the text boxes and checkes if they exist in the database, opens the Registered Users account and displays the Registered User panel page.[incorrect Registered Username or password][Empty Boxes] |
| *Entry condition* | * Registered User already signed up to the system. |
| *Exit condition* | * Registered User logged in. |
| *Exceptional cases* | * [Incorrect password or Registered Username]: AUCTIONSYSTEM detects that Registered Username or password does not exist in the database, it displays a message that says incorrect Registered Username or password, asks the Registered User to try again and displays the login page. * [Information Not Given]: AUCTIONSYSTEM detects that Registered Username or password is not written and asks the Registered User to enter the empty information. |

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| *Use case name* | Make offer |
| *Participating actors* | Registered User |
| *Flow of events* | 1. Registered User selects an item and clicks on it. 2. AUCTIONSYSTEM displays the product page that shows the product description and the last offer. 3. Registered User clicks on “Give an offer” button. 4. AUCTIONSYSTEM displays a page asking Registered User to enter an offer. 5. Registered User enters an amount of Money and clicks on “Yes” button.[Not enough money][Invalid character] 6. AUCTIONSYSTEM takes entered amount and saves it as highest offer. |
| *Entry condition* | * Registered User must be logged in. |
| *Exit condition* | * Registered User is the highest bidder. |
| *Exceptional cases* | * [Not enough money]: AUCTIONSYSTEM detected that the amount entered by Registered User is less than the last offer, AUCTIONSYSTEM displays a message saying “Offer must be higher than the last offer.” And displays the product page. * [Invalid character]: AUCTIONSYSTEM detects an invalid character in the offer text box, it displays a message saying invalid character and asks Registered User to enter again. |

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| *Use case name* | Sell |
| *Participating actors* | Registered User, Admin |
| *Flow of events* | 1. Registered User clicks on the Registered User panel button. 2. AUCTIONSYSTEM displays the Registered User panel page. 3. Registered User clicks on the “Make an auction” button. 4. AUCTIONSYSTEM displays a page asking for the category of the item. 5. Registered User selects a category. 6. AUCTIONSYSTEM displays page asking for information about the item( these informations depends on the category of the item; , year, painter, name, resolution for paintings, year, writer, name for books, product year, type, name, brand, point size for pencil, year, brand, model, size for bags and year, type, name for others).[invalid character] 7. Registered User enters the information about the product and clicks on “send for approval” button. |
| *Entry condition* | * Registered User must be logged in. |
| *Exit condition* | * Product is in the product list of the system. |
| *Exceptional cases* | * [Invalid character]: AUCTIONSYSTEM detects that a text box is empty or that a text box has got an invalid character and it displays a message saying invalid information and asks the Registered User to try again and displays the sell product page. |

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| *Use case name* | Search |
| *Participating actors* | Registered User |
| *Flow of events* | 1. Registered User clicks on the search icon at the bottom of the home page and enters one or more words describing the product he wants to see and clicks on the search button.[Search Bar Empty] 2. AUCTIONSYSTEM lists the products that fits the description. |
| *Entry condition* | * Registered User must be logged in. |
| *Exit condition* | * Registered User can see the list of products. |
| *Exceptional Cases* | * [Search Bar Empty]: AUCTIONSYSTEM can not find a description in the search bar and displays a message saying ”You need to enter a word”. |

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| *Use case name* | ViewProducts |
| *Participating actors* | Registered User |
| *Flow of events* | 1. Registered User clicks on an Product’s link. 2. AUCTIONSYSTEM will display the product page. |
| *Entry condition* | * Registered User must be logged in. |
| *Exit condition* | * Registered User can see the product page. |
| *Exceptional Cases* | * None |

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| *Use case name* | Logout |
| *Participating actors* | Registered User |
| *Flow of events* | 1. Registered User clicks on the logout button. 2. AUCTIONSYSTEM treats Registered User as a visitor. |
| *Entry condition* | * Registered User must be logged in. |
| *Exit condition* | * Registered User is a visitor now. |
| *Exceptional Cases* | * None. |

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| *Use case name* | Freeze account |
| *Participating actors* | Registered User |
| *Flow of events* | 1. Registered User opens the Registered User panel and clicks on freze account button. 2. AUCTIONSYSTEM saves the Registered User’s account as frozen and does not allow the Registered User to buy or sell a product. |
| *Entry condition* | * Registered User must be logged in. |
| *Exit condition* | * Registered User signed up. |
| *Exceptional Cases* | * None. |

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| *Use case name* | Send Message |
| *Participating actors* | Registered User |
| *Flow of events* | 1. Registered User opens the app on his/her phone. 2. Registered User clicks on MessageBox button. 3. AUCTIONSYSTEM displays the message box page. 4. Registered User clicks on send message button. 5. AUCTIONSYSTEM asks the Registered User, who will recieve the message , subject of the message and to write down the message.[No reciever] 6. Registered User writes the message, subject and the reciever and click on send. |
| *Entry condition* | * Registered User must be logged in. |
| *Exit condition* | * Reciever can see the message. |
| *Exceptional Cases* | * [No Reciever]: AUCTIONSYSTEM detects that Registered User did not write the reciever’s name and displays a message saying “Reciever is unspecified”. |

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| *Use case name* | CheckMessage |
| *Participating actors* | Registered User |
| *Flow of events* | 1. Registered User opens the app on his/her phone. 2. Registered User clicks on MessageBox button. 3. AUCTIONSYSTEM displays the message box page. 4. Registered User clicks on one of the messages. 5. AUCTIONSYSTEM displays the message. |
| *Entry condition* | * Registered User must be logged in. |
| *Exit condition* | * Registered User can read the message. |
| *Exceptional Cases* | * None. |

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| *Use case name* | Change Profile Information |
| *Participating actors* | Registered User |
| *Flow of events* | 1. Registered User clicks on the Registered User icon at the bottom of the home page. 2. AUCTIONSYSTEM displays the Registered User panel. 3. Registered User clicks on the “change profile information” button. 4. AUCTIONSYSTEM asks for new Registered Username, e-mail and password. 5. Registered User enters the new information he wants to use and clicks on save.[invalid character] |
| *Entry condition* | * Registered User must be logged in. |
| *Exit condition* | * Registered User’s profile information is different. |
| *Exceptional Cases* | * [Invalid character]: AUCTIONSYSTEM detects that a text box is empty or that a text box has got an invalid character and it displays a message saying invalid information and asks the Registered User to try again and displays the sell product page. |

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| *Use case name* | ForgetPassword |
| *Participating actors* | Registered User |
| *Flow of events* | 1. Registered User clicks on login button on the home page. 2. AUCTIONSYSTEM displays the login page. 3. Registered User clicks on “forget password” button. 4. AUCTIONSYSTEM displays a page that asks for the Registered Username. 5. Registered User enters the Registered Username and clicks on send. 6. AUCTIONSYSTEM sends the new password to Registered User’s e-mail. |
| *Entry condition* | * Registered User must be logged in. |
| *Exit condition* | * Registered User has got a new password. |
| *Exceptional Cases* | * None. |