**Use Case Name:** Sign up

**Participating Actors:** User

**Flow of Events:**

1. User opens the app using his/her phone.
2. AUCTIONSYSTEM displays the home page that shows “Login” button, ”Sign up” button, search bar and top items.
3. User clicks on the “Sign up” button.
4. AUCTIONSYSTEM displays the user register form that asks for username, password and e-mail.
5. User enters username, password and e-mail and clicks on “sign up” button.
6. AUCTIONSYSTEM the information entered by user and adds them to the database and displays the user panel. [invalid character][Username taken]

**Entry Conditions:** None

**Exit Conditions:** User signed up.

**Exceptional Cases:**

[Invalid information]: AUCTIONSYSTEM finds an invalid character in one of the text boxes or an empty text box and it displays a message saying that user entered invalid character, wants user to try again and displays the user register page.

[Username taken]: AUCTIONSYSTEM detects that username entered has been taken by another user, displays a message stating that username has already been taken and wants user to try again and displays the user register page.

**Use Case Name:** Login

**Participating Actors:** User

**Flow of Events:**

1. User opens the app on his/her phone.
2. AUCTIONSYSTEM displays the home page that shows “Login” button, “Sign up” button, search bar and top items.
3. User clicks on the “Login” button.
4. AUCTIONSYSTEM displays the login page that asks the user for username and password.
5. User enters his/her 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 users account and displays the user panel page.[invalid username or password]

**Entry Conditions:** User already signed up.

**Exit Conditions:** User logged in.

**Exceptional Cases:**

[Incorrect password or username]: AUCTIONSYSTEM detects that username or password does not exist in the database, it displays a message that says incorrect username or password, asks the user to try again and displays the login page.

**Use Case Name:** Logout

**Participating Actors:** User

**Flow of Events:**

1. User clicks on “Logout” button.
2. AUCTIONSYSTEM displays the home page and treats the user as an unregistered user.

**Entry Conditions:** User must be logged in.

**Exit Conditions:** User logged out.

**Use Case Name:** Make Offer

**Participating Actors:** User

**Flow of Events:**

1. User selects an item by clicking on it’s link.
2. AUCTIONSYSTEM displays the product page that shows the product description and the last offer.
3. User clicks on the give an offer button.
4. AUCTIONSYSTEM displays a page asking user to choose the bank that he/she will extract money from and for his/her bank account id.
5. User chooses a bank and enters his id and clicks on confirm button.
6. AUCTIONSYSTEM

**Entry Conditions:** User must logged in.

**Exit Conditions:** User has the highest offer.

**Exceptional Cases:**

[Not enough money]: AUCTIONSYSTEM detected that the amount entered by 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.

**Use Case Name:** Sell item

**Participating Actors:** User

**Flow of Events:**

1. User clicks on sell item button on the user panel page.
2. AUCTIONSYSTEM displays the sell item page that asks for the item name, description and starting price and a photo that is not necessary.
3. User enters the item name, description, starting price and clicks on “put it on auction” buton. [Invalid character]
4. AUCTIONSYSTEM takes the information and adds the item in the database displays a messaged saying the item has been put to auction and displays the user panel.

**Entry Conditions:** User must be logged in.

**Exit Conditions:** The item is in the auction list.

**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 user to try again and displays the sell item page.

**Use Case Name:**

**Participating Actors:**

**Flow of Events:**

**Entry Conditions:**

**Exit Conditions:**

**Exceptional Cases:**

**Use Case Name:**

**Participating Actors:**

**Flow of Events:**

**Entry Conditions:**

**Exit Conditions:**

**Exceptional Cases:**

**Use Case Name:**

**Participating Actors:**

**Flow of Events:**

**Entry Conditions:**

**Exit Conditions:**

**Exceptional Cases:**