**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 a bid

**Participating Actors:** User

**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:**

**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:**