**Use Case: Registering Interest**

**Primary Actor: Application User**

**Stakeholders and Interests:**

**-User: Wants to register an item they want to buy with a threshold they don’t want to pay above.**

**-Admin: Wants to be able to maintain list (Possible data collection).**

**Preconditions: User has an account and is looking for best price of an item.**

**Success Guarantee: Item is stored and the threshold act acts as a filter, which shows the Items at or below the desired price when searching.**

**Main Success Scenario:**

**0.User Logs in**

**1. User puts item name in search box**

**2. User selects item to register**

**3. System asks for threshold input**

**4. Item is stored under registry**

**5. System displays item(s) under threshold**

**Extensions:**

**\*a. Whenever the device is disconnected from Network:**

**1. System asks user to connect to Network.**

**\*b. When the device is not connected to Network:**

**1. System asks user to connect to Network before registering item.**

**0a. When user enters wrong username or password of account:**

**1. System asks user to enter information of account correctly.**

**0b. When user keeps entering wrong username or password over 5 times:**

**1. System shows ‘response authentication’ to ask user enter username and password with cryptographic letters.**

**1a. If system fails to find item:**

**1. System shows item not found and option to try again.**

**2a. If item cannot be registered:**

**1. System notifies user that the item cannot be registered.**

**2b. An unexpected error occurs (i.e: Network problem above):**

**1. No registration is saved and user is taken back to search view.**

**3a. If user inputs incorrect threshold type:**

1. **System notifies user that threshold can only be numerical.**

**4a. An unexpected error occurs (i.e: Network problem above):**

1. **No registration is stored and user is taken back to search view.**

**4a. Item is already in registry:**

**1. System asks if replacement is desired.**

**5a. If no item with threshold is found:**

1. **System notifies user that no item is found and option to try again.**