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| **Use Case “Search, Sort products”**   1. **Use case code**   UC00X   1. **Brief Description**   This use case describes the interaction between customer and AIMS when customer wish(es) to search or sort products on the home screen   1. **Actors**    1. **Customer** 2. **Preconditions**   Customer successfully views list of products on the home screen.   1. **Basic Flow of Events**    1. **Search product** 2. The customer searches for products by title or category. (see Table A)   2. AIMS looks up in database products satisfy the customer request.  3. AIMS displays result to home screen. (see Table B)   * 1. **Sort products**  1. The customer requests ascending sort of products. 2. AIMS sorts products prices in ascending order. 3. AIMS displays sorted products on the home screen. (see Table B) 4. **Alternative flows**   Table 1-Alternative flows of events for UC Search products   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **No** | **Location** | **Condition** | **Action** | **Resume location** | |  | At Step 3 | If there is no product match search request | * System displays no product found | End use case |   Table 2-Alternative flows of events for UC Sort products   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **No** | **Location** | **Condition** | **Action** | **Resume location** | |  | At Step 1 | If customer requests descending sort. | * AIMS sorts products prices in descending order | Resumes at Step 3 |  1. **Input data**   Table A-Input data of UC Search products   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **No** | **Data fields** | **Description** | **Mandatory** | **Valid condition** | **Example** | |  | Product title | Title of searched product | No | Text | Harry Potter | |  | Product category | Category of searched product | No | Choose from list | Book |  1. **Output data**   Table B-Output data of UC Searched products   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **No** | **Data fields** | **Description** | **Display format** | **Example** | |  | Image | Image of product’s cover | Image |  | |  | Title | Title of product | Text | Harry Potter | |  | Price | Price of product | - Comma for thousands  Separator  - Positive integer  - Right alignment | 100.000 vnd | |  | Avail | Available quantity of product | - Positive integer  - Right alignment | 10 |  1. **Postconditions** 2. **Activity Diagrams**    1. **Search prodcuts**      * 1. **Sort products** |

**INTERACTION DIAGRAMS**

**Search Products**

A diagram of a project

Description automatically generated

**Sort products**

A diagram of a project

Description automatically generated

A screenshot of a computer

Description automatically generated