**Use Case Specification**

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# Revision History

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| --- | --- | --- | --- |
| Date | **Revision #** | **Created By** | **Revision Notes** |
| 04/26/22 | 1.0 | Elsa Poonawala | Initial version |
| 04/26/22 | 1.0 | Noah Weitz | Initial version |
| 04/27/22 | 1.0 | Darsh Jalan | Initial version |
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# UC.03.04 Advertisement payment and discount

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| Actor(s): | 1.Advertisement sales representative  2. Account manager  3. Accountant |
| Short Description: | The actor wants to manage the sponsored products revenue. |
| Preconditions: | Actor needs to sponsor ads on the website when user search for products. |
| Postconditions: | Actor can maintain a list of customers and which advertisement was viewed and then payment and discount is applied. |
| Frequency of Use: | High |
| **Normal Flow of Events:** | |
| 1. This use case begins when the **Actor** wants to evaluate the revenue out of advertisements from the system. **(JP 1 – CS)** 2. **System** generates a list of users who viewed advertisements.   3. **Actor** opens a list of users who have clicked on advertisements while viewing the products within the system.  4.  **Actor** then evaluate which ad is viewed and used in the system.  5. On the basis of evaluation **Actor** makes a list of viewed ads then manage the payments received from the advertisers.  6. **System** process the payments then this use case ends. (**JP 2- DDD)** | |
| **Alternative Flows:** | |
| None | |
| **Exceptions:** | |
| None | |
| <<Include>> Relationships: | None |
| << Extend>> Relationships: | None |
| Business Rules: |  |
| Assumptions: | Actor should be already logged in. |

# UC.4.02 Questions to Query Conversion

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| Actor(s): | Customer support team |
| Short Description: | User input is converted into a sort command for the product list. |
| Preconditions: | At least one question is in the database |
| Postconditions: | The created question returns a valid selection from the database |
| Frequency of Use: | High |
| **Normal Flow of Events:** | |
| 1. This use case begins when the Actor selects a filter to convert. 2. The system displays a dialogue to create a new filter. 3. The actor enters the specifications for the new filter. **(JP1: FV)**   4. The system creates an appropriate filter based on specifications.  5.. Actor verifies the new filter and the use case ends. | |
| **Alternative Flows:** | |
| None | |
| **Exceptions:** | |
| None | |
| <<Include>> Relationships: | None |
| << Extend>> Relationships: | None |
| Business Rules: |  |
| Assumptions: | 1. The question on which the query is based is already in the database. 2. The question on which the query is based is a valid question. 3. The query does not already exist. |

# UC.05.02 Showing Recommended Devices

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| Actor(s): | Registered Customers |
| Short Description: | Show users filtered list of devices based on the filters and criteria selected by the user. |
| Preconditions: | Actors need to select relevant filters. |
| Postconditions: | Filtered list of products matching the filtered criteria are portrayed. |
| Frequency of Use: | High |
| **Normal Flow of Events:** | |
| 1. This use case begins when **Actor** clicks one of the two filters tab, “Devices” or “Preferences”. **[JP 1: ET]**  2. Depending on the tab selected, the **System** displays options such as:  For “devices”:  “Android”  “IOS”  “Business-Laptop”  “Gaming-Laptop”  “Camera”  “none”  For “preference”:  “Performance”  “Battery-life”  “Display-Resolution”  “Memory”  “Camera-Quality”  “Portability”  “Display Size”  “any”  3. **Actor** selects at-least one option from one of the two lists to filter the product list.  4. **System** displays the filtered product list based on user selection and this use case ends. | |
| **Alternative Flows:** | |
| None. | |
| **Exceptions:** | |
| None. | |
| <<Include>> Relationships: | None. |
| << Extend>> Relationships: | None. |
| Business Rules: | User must have an account to filter the product list. |
| Assumptions: | Products that match all the filters selected exist. |