**Use Case Template**

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| **Use Case Name:** Manage Coverage Group | | **Priority/Importance:** HIGH | | **ID Number:** #6 |
| **Short Description:** This UC allows a system administrator to manage coverage groups within the FXMS, including creating, modifying, and deleting coverage groups to ensure appropriate resource allocation and coverage. | | | | |
| **Trigger:** This UC case is triggered when a system administrator logs into the system to manage coverage groups.  **Type:** Regular | | | | |
| **Primary actor(s):** System administrator | **Secondary actor(s):** None | | | |
| **Pre-condition:** System administrator must have administrative privileges. | | | | |
| **Relationships:**  **Extends:**   **Includes:** Search Coverage Groups **Generalization/Specialization:** | | | | |
| **Major Inputs:**  **Input**  Coverage group details (Users ID, name, resources  **Source**  System Administrator | **Major Outputs:**  **Output** **Destination**  Administrator  Administrator  Administrator  Administrator  Administrator  Administrator searches for coverage groups.  Administrator selects a coverage group to modify or opts to create a new one.  Modifications are applied or a new coverage group is created, and a confirmation is sent to the administrator. | | | |
| **Major Steps Performed:**   1. Search Groups: The system administrator searches for Groups. 2. Select and Modify/Create Groups: The administrator selects a group to modify or opts to create a new one. 3. Apply Modifications and Confirm: Modifications are applied, or new Groups are created, followed by a confirmation sent to the administrator.   **Alternate Steps:**   * Read: Reading group details. * Update: Updating group details   **Exceptions:**   * Unauthorized access attempt by non-admin users. | | | **Information for Steps**  Administrator inputs search criteria to find specific groups.  Select a group from the list to view or edit its details.  Update existing group details or create a new group.  System confirms the modifications or creation of the group. | |
| **Conclusion:** This UC ends when the Administrator logs out of the system | | | | |
| **Post-condition(s):** Updated group details are stored in the system. | | | | |
| **Business Rules:** User account information must be handled confidentially and not disclosed to unauthorized parties. | | | | |
| **Special Requirements:** Two-factor authentication must be enabled for login to enhance security | | | | |