**Use Case Template**

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| **Use Case Name:** search and retrival for fxms | | **Priority/Importance:** HIGH | | **ID Number:** #11 |
| **Short Description:** This use case describes the process by which traders or analysts search for and retrieve trade data within the Foreign Exchange Management System (FXMS) for analysis, reporting, and decision-making purposes. | | | | |
| **Trigger:** User requires access to specific trade data for analysis or reporting.  Regulatory compliance checks necessitate the retrieval of historical trade information.  Decision-making process requires insights from past trade transactions.  **Type:** Regular | | | | |
| **Primary actor(s):** investment bank, SYSADMINN, coverage groups, traders. | **Secondary actor(s):** None | | | |
| **Pre-condition:** User has authenticated access to the FXMS platform.  FXMS platform is operational and connected to relevant data sources.  Trade data is accurately recorded and stored within the FXMS database. | | | | |
| **Relationships:**  **Extends: Includes: Generalization/Specialization:** | | | | |
| **Major Inputs:**  **Input** **Source**  User-defined search criteria (e.g., trade date, currency pair, transaction type). investment bank, SYSADMINN, coverage groups, traders. is the source  Authentication credentials for accessing the FXMS platform. investment bank, SYSADMINN, coverage groups, traders it the source | **Major Outputs:**  **Output** **Destination**   1. Retrieved trade data matching the user's search criteria. 2. Structured presentation of trade details (e.g., date, currency pair, volume, counterparty). 3. investment bank, SYSADMINN, coverage groups, traders. this is the source | | | |
| **Major Steps Performed**  1 User Authentication:  2-Search Query Input:  3-Query Processing:  4- Search Execution:  5- Result Presentation:  **Alternate Steps**  1-If search criteria are invalid or incomplete, system prompts user to refine the query.  2-If technical issues occur, system may display an error message and prompt user to retry or contact support.  **Exceptions:**  1-In case of technical failures, user may not be able to retrieve trade data.  2-Discrepancies or inaccuracies in retrieved data may require further investigation or correction. | | | **Information for Steps**  1-User logs into the FXMS platform using valid credentials.  2-User navigates to the trade search module.  User inputs search criteria including trade date, currency pair, transaction type, etc.  3- System parses user's search query and identifies relevant filters.  4-System executes search across FXMS database using specified criteria.  Retrieved trades matching search criteria are identified.  5-System presents matching trades in a structured format (e.g., table).  Each trade entry includes relevant details such as date, currency pair, volume, etc.  1- If the user enters invalid or incomplete search criteria:  System prompts the user to refine the query.  2-Error message displayed to inform the user of the issue.  1- If technical issues occur during the search process:  System displays an error message indicating the issue.  2- User informed that trade data retrieval is temporarily unavailable.  User prompted to retry the search later or contact support for assistance. | |
| **Conclusion:** This use case outlines the process by which users search for and retrieve trade data within the FXMS platform. By following the defined steps and adhering to business rules, users can efficiently access relevant trade information for analysis, reporting, and decision-making purposes. | | | | |
| **Post-condition(s):** The user has successfully retrieved relevant trade data from the FXMS platform.  Retrieved trade data is accurate and matches the user's specified search criteria.  The user can utilize the retrieved trade data for analysis, reporting, decision-making, and compliance purposes.  Any discrepancies or inaccuracies in the retrieved trade data have been addressed through investigation or correction processes. | | | | |
| **Business Rules: Compliance with regulatory requirements (e.g., KYC, AML) must be maintained throughout the search process.**  **Security protocols must ensure confidentiality and integrity of trade data.**  **User experience should be intuitive and efficient to facilitate effective search and retrieval.** | | | | |
| **Special Requirements:** None | | | | |