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| **Use Case Name** | Edit User | | **ID** | VT-003 |
| **Project / Area** | User Management – Desktop Application | | **Version** | 1.0 |
| **Author** | Albert Stanica | | **Date** | March 27th, 2025 |
| **Priority** | High | |  |  |
| **Risk** | Medium | | **Use Case Type:** | |
| **Source** |  | | **Business Requirement**  xx  **System Analysis** | |
| **Primary Actor** | Admin | |
| **Other Actors** | None | | | |
| **Other Interested Stakeholders** | System Administrator  xx  Compliance/Auditing Team | | | |
| **Description** | The admin modifies user information in the system by updating fields in the employee table. The system enforces validation rules for username and password specifications. | | | |
| **Precondition(s)** | The admin is authenticated and has ADMIN privileges.  The system displays the list of existing users. | | | |
| **Trigger(s)** | The Admin selects the Edit User option. | | | |
| **Action** | | **Response / Description / Info** | | |
| Admin logs into the system | | The system verifies the admin’s credentials. | | |
| Admin navigates to User Management | | The system displays a list of existing users. | | |
| Admin selects a user to edit | | The system displays the user’s details. | | |
| Admin modifies eligible fields | | Admin updates one or more of the following: | | |
|  | | - Username → Must follow username specs  - Password → Must follow password specs  - FirstName and LastName  - Email  - Active status (true/false)  - PositionID and SiteID  - Locked status (true/false) | | |
| System validates changes | | -Ensures username and password meet format rules  - Checks for valid email format  - Verifies positionID and siteID are valid references | | |
| Admin submits changes | | The system updates the employee table with new values | | |
| System logs modification | | Admin ID, timestamp, and modified fields are recorded | | |
| System displays confirmation | | "User information updated successfully." | | |
| **Alternate Flow(s)** | | **Response / Description / Info** | | |
| Invalid username format | | The system displays: "Username does not meet specifications." | | |
| Invalid password format | | The system displays: "Password does not meet specifications." | | |
| Invalid positionID or siteID | | The system displays: "Invalid position or site ID." | | |
| System error during update | | "An error occurred while editing the user. Try again later." | | |
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| **Conclusion** | The user’s information is successfully modified in the employee table.  All changes are validated against the required specs.  The system logs the modification for auditing. | | | |
| **Post condition** | The employee table contains the updated user information.  The changes reflect in the system immediately. | | | |
| **Business Rules** | Only Admins can perform the Edit User action.  Username and password changes must follow strict formatting rules.  Email, positionID, and siteID must follow valid formats.  All modifications are logged with timestamps and Admin IDs. | | | |
| **Constraints, Specifications, Performance Requirements** | Role-based access control: Only Admins can access this feature.  Validation Rules:  Username: Must adhere to username specifications.  Password: Must follow password complexity rules.  Email: Must be in a valid email format.  Audit Logging: The system logs Admin ID, timestamp, and modified fields.  The update operation should be completed within 2 seconds under normal conditions. | | | |
| **Technology and Data** | Technology: Desktop Application using C# or Java.  Database: Local or external DB with an employee table.  GUI: Graphical interface for Admin actions. | | | |
| **Frequency** | As needed, when Admins modify user information. | | | |
| **Assumptions** | The Admin has the necessary permissions.  The system has network connectivity to access the database. | | | |
| **Notes / Issues** | Consider implementing bulk editing for efficiency. | | | |