

SWE 202 – Software Modeling & Design

Daron Delvina – Personalized Document Requirements

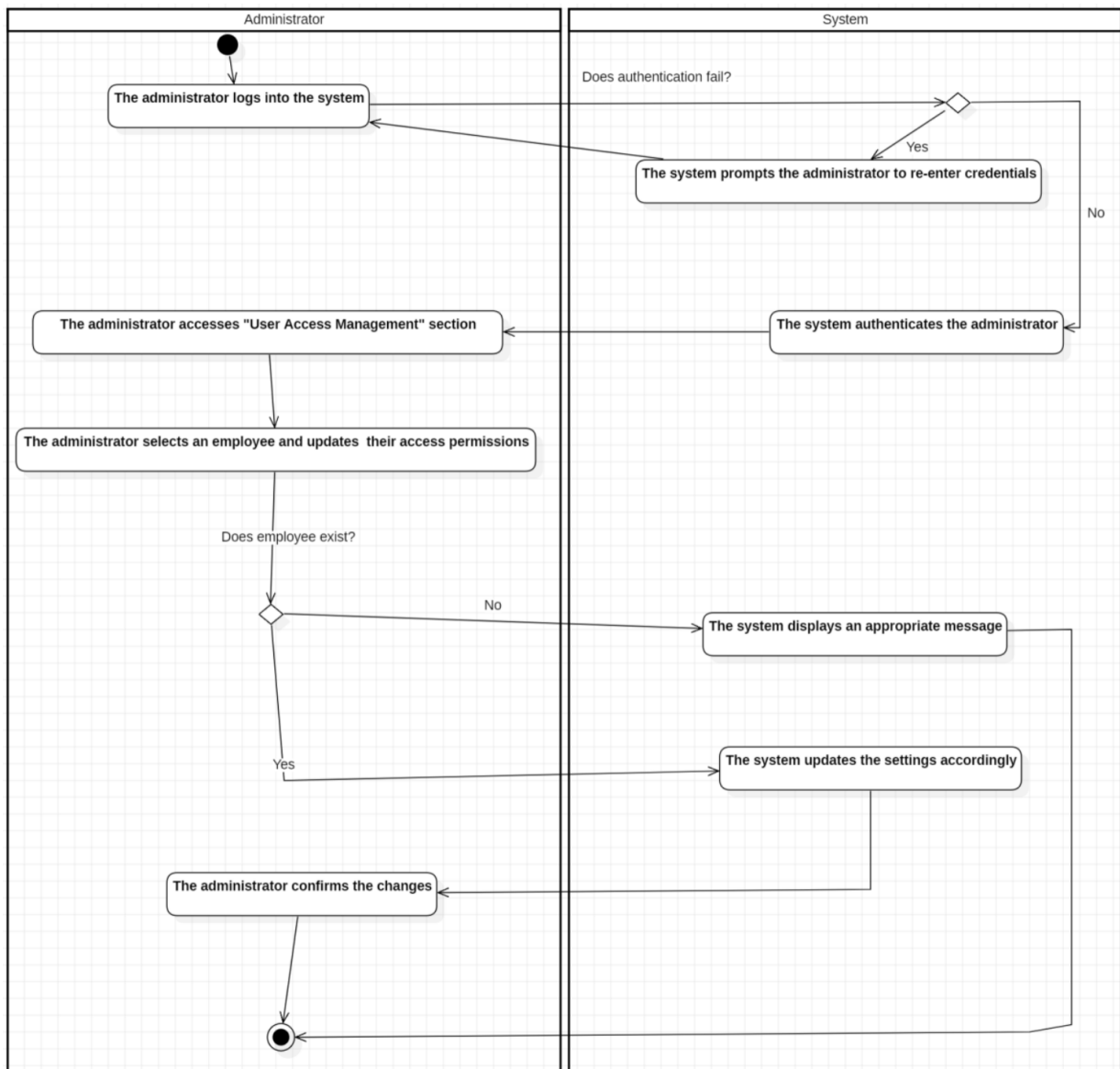
FR_ADM_01: The administrator is responsible for managing user access, including granting and revoking employee permissions as needed.

Use Case Table:

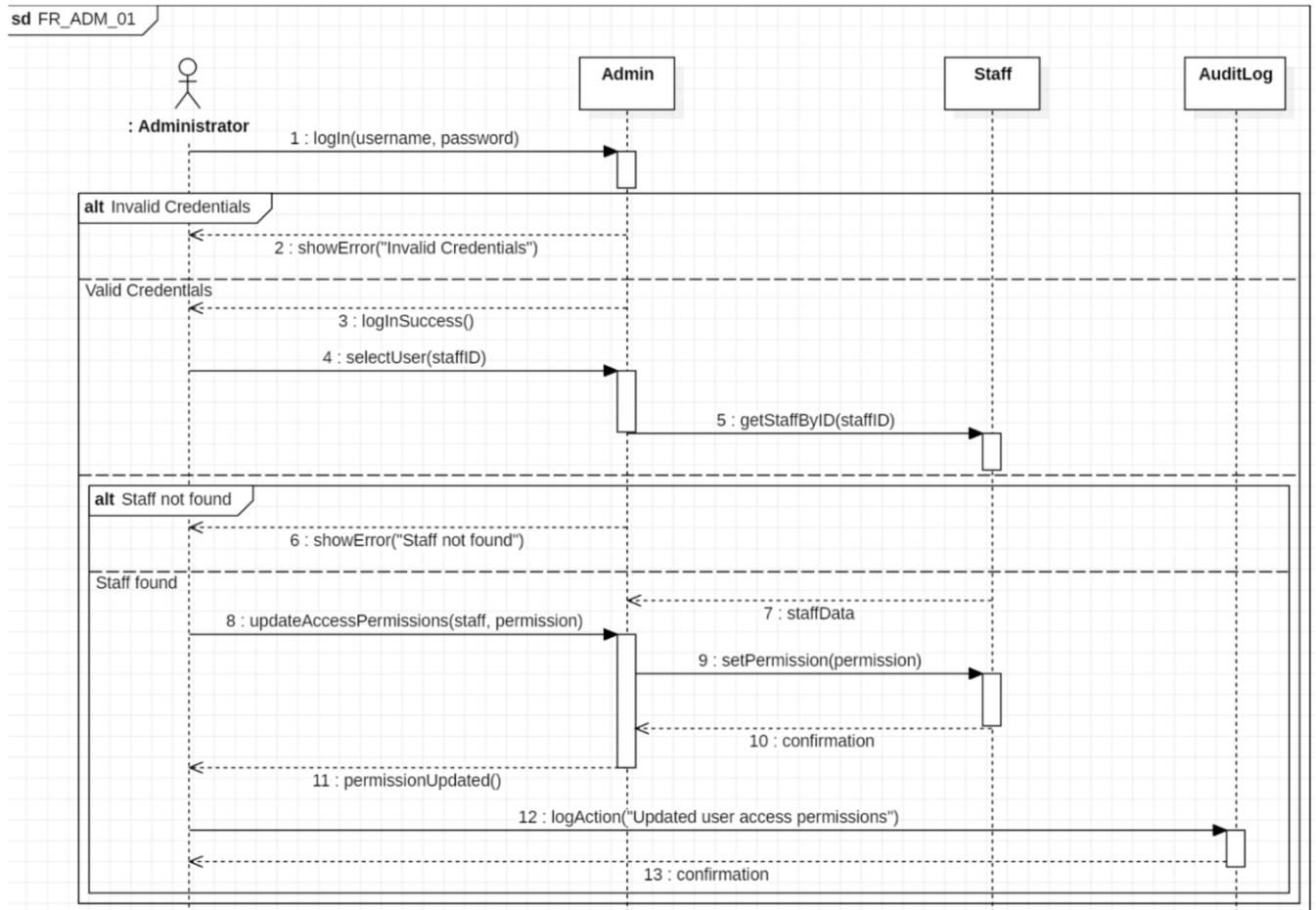
UC Name	Administrator Managing User Access (UC_ADM_01)
Summary	The administrator can manage user access, granting and revoking permissions for employees as needed.
Dependency	None.
Actors	<ul style="list-style-type: none">• Primary: Administrator• Secondary: System
Preconditions	<ul style="list-style-type: none">• The administrator must have valid login credentials with appropriate permissions.• The system must contain user account data.

Description of the Main Sequence	<ol style="list-style-type: none"> 1. The administrator logs into the system. 2. The system authenticates the administrator. 3. The administrator navigates to the "User Access Management" section. 4. The administrator selects an employee and updates their access permissions. 5. The system updates the access settings accordingly. 6. The administrator confirms the changes.
Description of the Alternative Sequence	<ol style="list-style-type: none"> 1. If authentication fails, the system prompts the administrator to re-enter credentials. 2. If the selected employee does not exist, the system displays an appropriate message. 3. If an error occurs, the system provides an error message and suggests retrying later.
Non functional requirements	<ul style="list-style-type: none"> • The system should process permission changes within 3 seconds. • Secure logging and audit trails must be maintained. • Only authorized administrators should have access to user management functions.
Postconditions	<ul style="list-style-type: none"> • The user's access permissions are successfully updated. • The system logs the changes for security and auditing purposes.

Activity Diagram:



Sequence Diagram:



Communication Diagram:

