

Use Case 1:

ID	UC – Admin Resetting User’s Username and/or password
Scope	Hotel Reservation System
Level	User Goal
Stakeholders and Interests	<p>Admin</p> <ul style="list-style-type: none">- Needs to reset the username and/or password so that a user can access their account <p>Clerk/Guest</p> <ul style="list-style-type: none">- Wants to regain access to their account as they may have forgotten their credentials or gotten locked out <p>Hotel</p> <ul style="list-style-type: none">- Needs users to be able to access their accounts so the hotel can keep running
Precondition	<ol style="list-style-type: none">1. The Admin is logged into the system2. The Admin has high enough clearance in the system to modify user profiles3. An account exists that needs to be modified
Postcondition	<ol style="list-style-type: none">1. If successful, the account’s username and/or password has been successfully reset, and the user can log in with new credentials2. If the process failed, the user’s profile was not reset and the previous username and password are still active

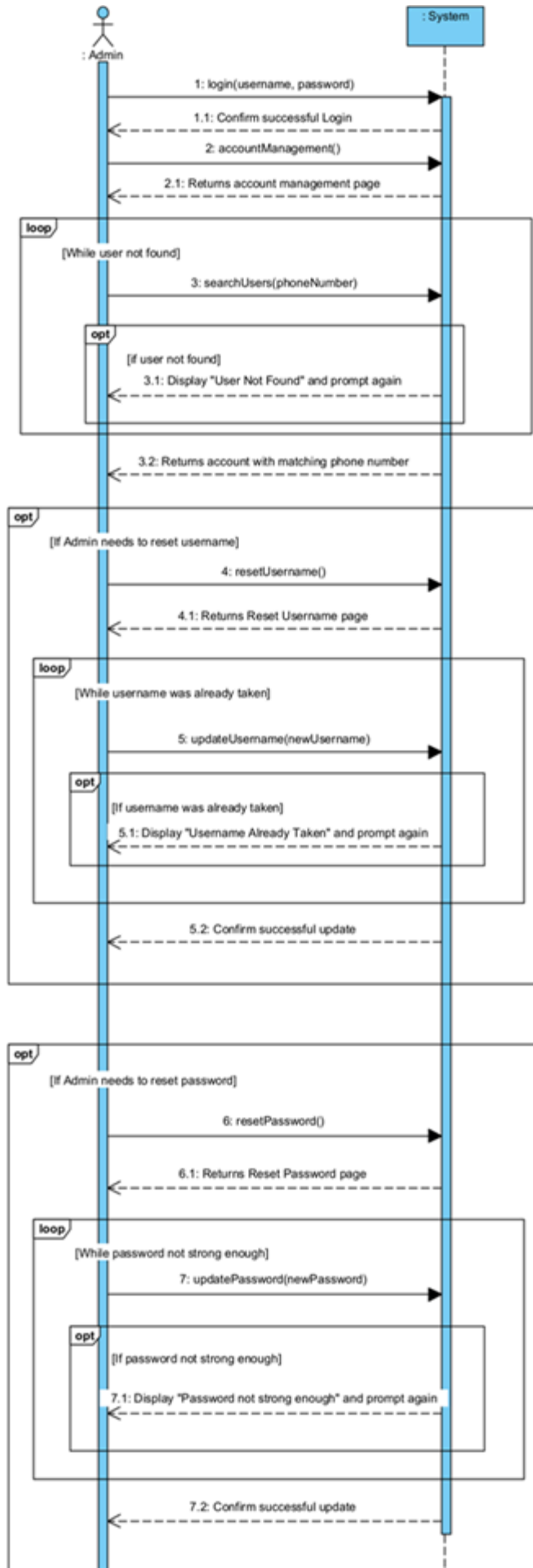
Main Success Scenario

1. The Admin logs into the system
2. The Admin goes to the Account Management section
3. The admin searches for the user by their phone number
4. The system will return the user's account details to the Admin
5. If the Admin needs to reset the username
 1. The Admin selects the "Reset Username" option
 2. The system returns the "Reset Username" page
 3. The Admin inputs a new username
 4. The system checks if the new username is already taken
 5. The Admin confirms the update
 6. The system updates the account with the new username
6. If the Admin needs to reset the password
 1. The Admin selects the "Reset Password" option
 2. The system returns the "Reset Password" page
 3. Admin enters the new password
 4. The system determines if the password is secure enough

	<p>5. The Admin confirms the update</p> <p>6. The system updates the account with the new password</p> <p>7. The Admin notifies the Guest or Clerk that their information has been updated</p>
Alternate Paths	<p>3.a The account does not exist</p> <p>1. The System searches for the user, but determines that the account does not exist</p> <p>2. System tells the Admin to make sure information was entered correctly and the Admin can search again</p> <p>5.a New username is already taken</p> <p>1. The System will notify the Admin that the new username is already in use</p> <p>2. Admin enters a different username</p> <p>5.b Admin does not confirm the update</p> <p>1. System cancels the update</p> <p>2. Account information remains the same</p> <p>6.a New password is not secure enough</p> <p>1. The System will notify the Admin that the password does not meet the security requirements</p> <p>2. Admin enters a different password</p> <p>6.b Admin does not confirm the update</p> <p>1. System cancels the update</p> <p>2. Account information remains the same</p>

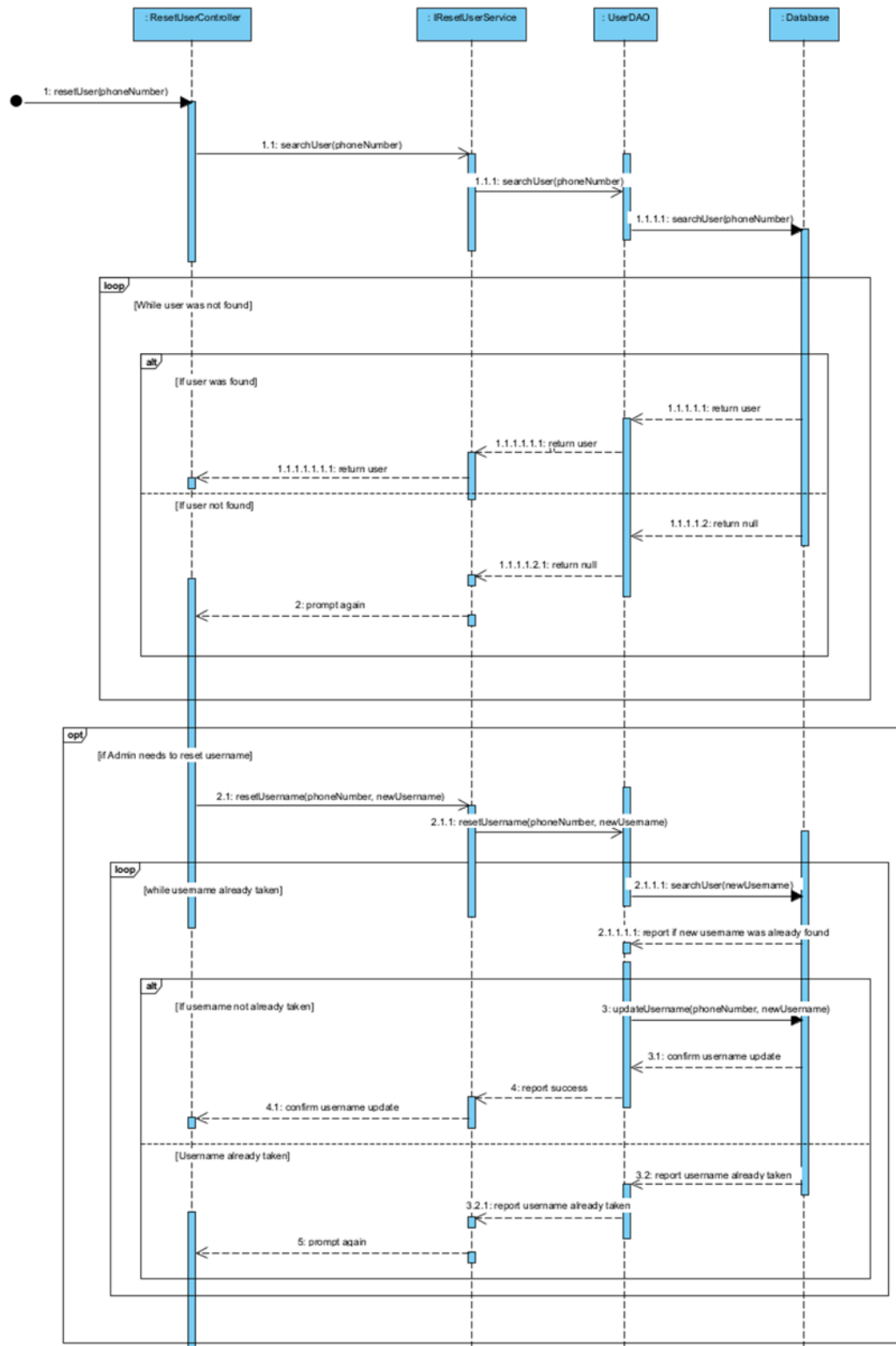
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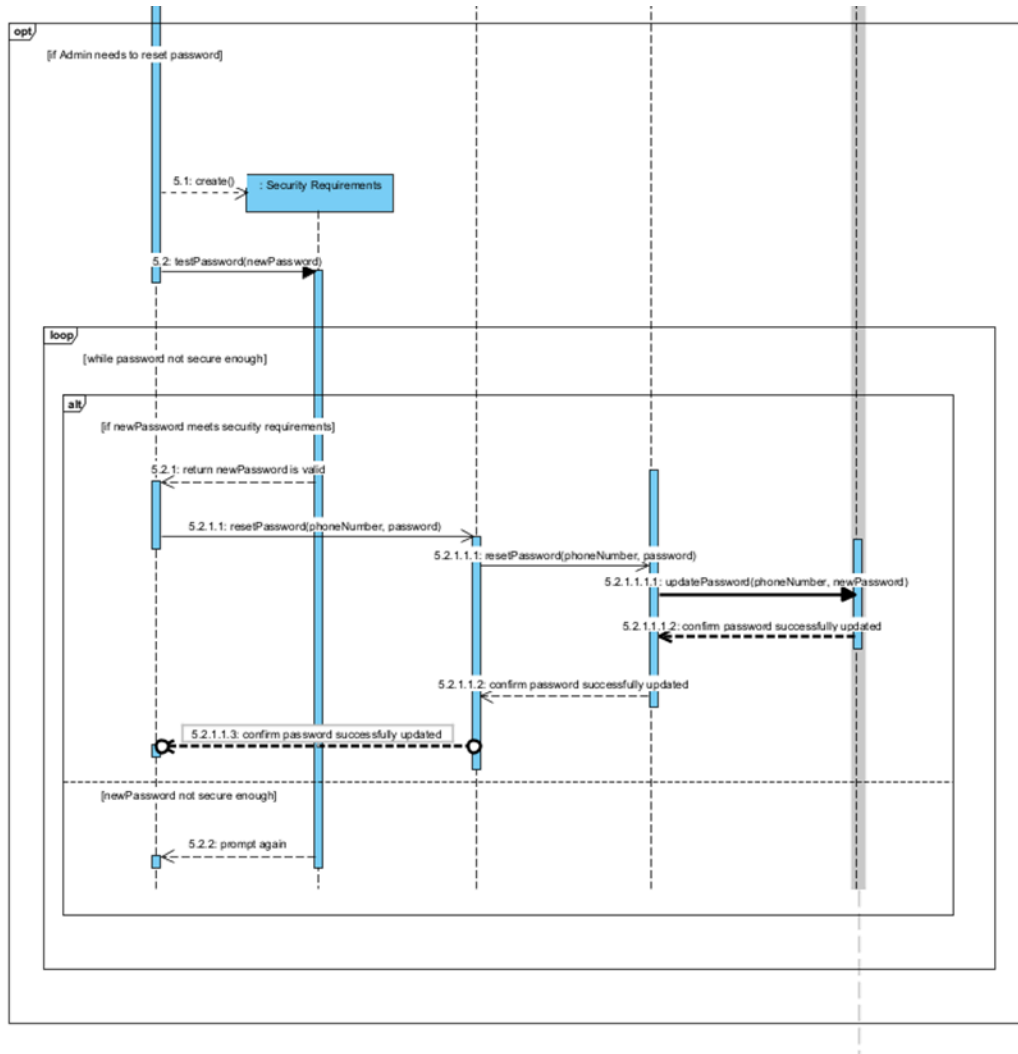
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Operations Contract 1:

Contract CO1: login

Operation	Login(String: username, String: password)
Cross References	Use Cases:
Pre-conditions	Admin is in the process of helping someone reset their username and/or password

Post-conditions	<ul style="list-style-type: none"> Current session is associated with the admin's account in the database
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Contract CO2: openAccountManagement

Operation	openAccountManagement()
Cross References	Use Cases:
Pre-conditions	The Admin is logged into the system and has high enough clearance
Post-conditions	The Account Management page is retrieved from memory

Contract CO3: searchUsers

Operation	SearchUsers(number: phoneNumber)
Cross References	Use Cases: Reserving a Room
Pre-conditions	The Admin is logged into the system, the Admin is on the Account Management page, and it's a valid phone number.
Post-conditions	<p>Accounts in the database have been searched</p> <p>A specific account has been associated with the current session or System has notified the user that no accounts in the database have a matching phoneNumber attribute.</p>

Contract CO4: openResetUsername

Operation	OpenResetUsername()
Cross References	Use Cases:
Pre-conditions	The session is associated with an Admin user
Post-conditions	A user has been associated with the current session to be reset

Contract CO5: updateUsername

Operation:	UpdateUsername(String: newUsername)
Cross References	Use Cases: Clerk Account Profile Modification
Pre-conditions	The current session is associated with an admin user
Post-conditions	The user's account instance has had it's username attribute modified (changed to new username)

Contract CO6: openResetPassword

Operation	openResetPassword()
Cross References	Use Cases:

Pre-conditions	<p>The current session is associated with an admin user</p> <p>The admin has selected a user from the search results to be associated with the current operation</p>
Post-conditions	<p>The system retrieved the Reset Password page from memory</p>

Contract CO7: updatePassword

Operation	<p>updatePassword(Password: newPassword)</p>
Cross References	<p>Use Cases: Clerk Account Profile Modification</p>
Pre-conditions	<p>The current session is associated with an Admin user</p> <p>An instance of the Reset Password page is active</p> <p>The newPassword attribute has been created and meets the security requirements</p>
Post-conditions	<p>The account instance's password attribute has been modified to the new password</p> <p>Confirmation of changes has been displayed to the user</p>