

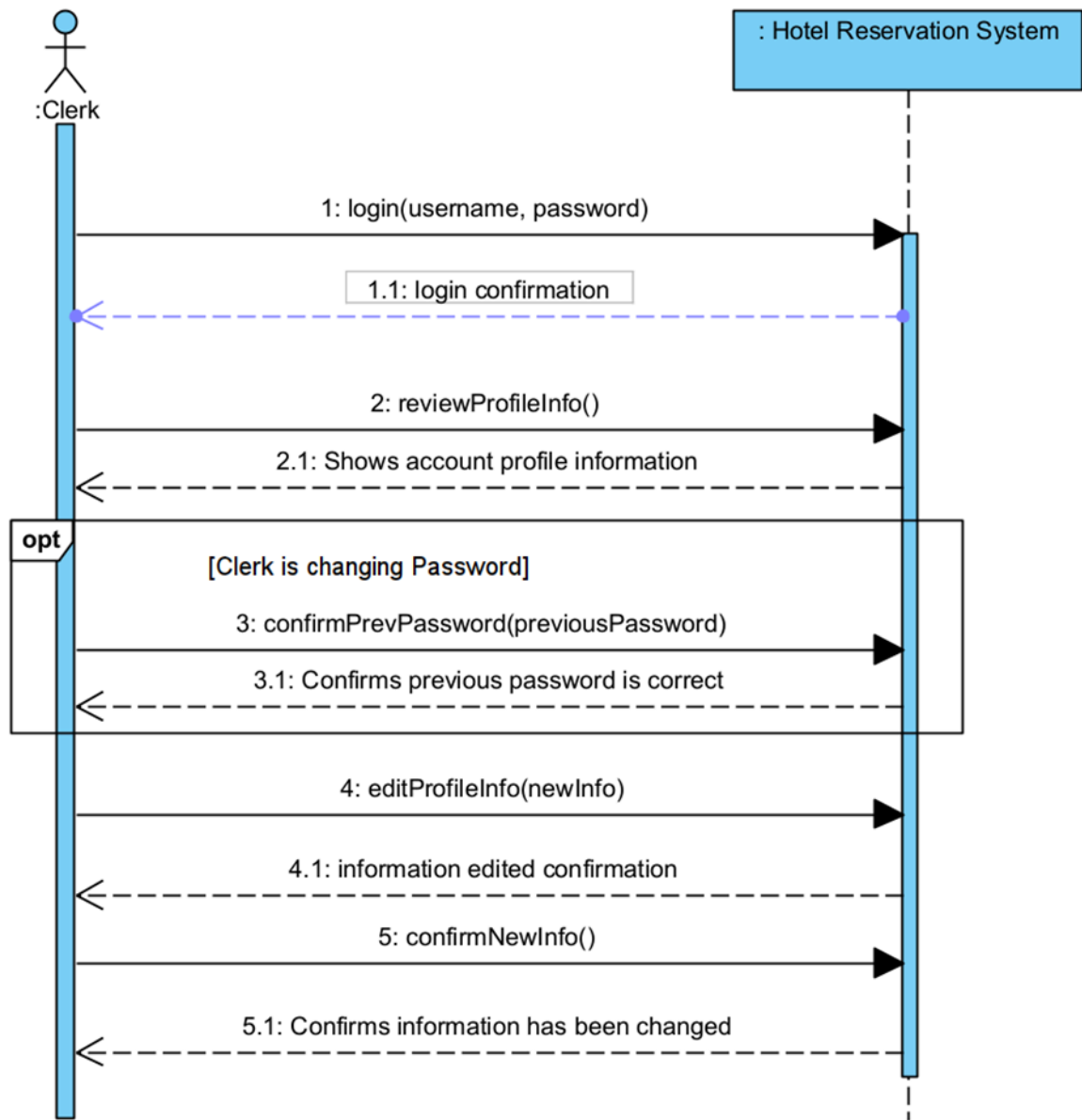
ID	UC Clerk Account Profile Modification
Scope	Hotel Vacation Reservation System
Level	Clerk Goal
Stakeholders and Interests	<p>Clerk</p> <ul style="list-style-type: none"> -person interested in modifying Account Profile <p>Admin</p> <ul style="list-style-type: none"> -person assisting Clerk User if needed
Precondition	-Clerk wants to modify Account Profile information
Postcondition	-Clerk successfully changes desired Account Profile Information
Main Success Scenario	<ol style="list-style-type: none"> 1. The Clerk is interested in changing their account information. 2. Clerk logs in to their account. 3. Clerk navigated to their account profile. 4. Clerk selects edit profile. 5. If Clerk is changing password, Clerk confirms previous password. 5. Clerk changes desired profile information including possibly password. 6. Clerk confirms changed information.

	7. Systems inform Clerk information changed successfully.
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Alternative Paths	<p>2.a. Invalid Login Credentials:</p> <ol style="list-style-type: none"> 1. The system prompts the Clerk to re-enter the credentials or reset the password. 2. If Clerk cannot log in after multiple attempts, the system locks the account temporarily. 3. The Clerk contacts Admin to unlock the account. <p>5.a. Incorrect Previous Password (for password change):</p> <ol style="list-style-type: none"> 1. The system informs the Clerk that the password is incorrect and asks for re-entry. 2. After three failed attempts, the system locks the profile editing option temporarily. 3. The Clerk contacts Admin for assistance. <p>6.a. New information provided (e.g., email format, password strength) fails validation:</p> <ol style="list-style-type: none"> 1. The system prompts the Clerk to correct the invalid fields and provides feedback on the required format or criteria. 2. The Clerk re-enters the information and confirms the changes again. <p>7.a. System encounters an error during confirmation (e.g., database connection fails):</p> <ol style="list-style-type: none"> 1. The system informs the Clerk of the issue and suggests retrying later. 2. The system logs the error for Admin review. 3. Clerk contacts Admin if the problem persists. <p>7.b. If the Clerk cancels or exits before confirming the changes:</p>
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	1. The system discards any unsaved changes and navigates the Clerk back to the profile page.
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SSD 2:



Operation Contract 2:

System
login(username, password) reviewProfileInfo() confirmPrevPassword(previousPassword) editProfileInfo(newInfo) confirmNewInfo()

Contract CO1: login

Operation	login(username: username, password: password)
Cross References	Use cases: Clerk Profile Modification
Pre-conditions	Guest is attempting to login.

Post-conditions	<p>IF the provided username and password match the stored credentials for the Clerk:</p> <p>A Session instance s is created. (instance creation)</p> <p>s is associated with the Clerk. (association formed)</p> <p>The clerk is granted access to their profile modification page or dashboard.</p> <p>ELSE:</p> <p>An error message is displayed indicating invalid credentials.</p> <p>The clerk remains on the login page.</p>
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Contract CO2: reviewProfileInfo

Operation	reviewProfileInfo()
Cross References	Use cases: Clerk Profile Modification
Pre-conditions	<p>Clerk is attempting to view their own profile information.</p> <p>The clerk is logged in.</p>
Post-conditions	<ul style="list-style-type: none"> - An instance profile has been created. - The profile.info has retrieved the clerk's current profile information from the database. - The clerk's current profile information is displayed on the screen for review.

Contract CO3: confirmPrevPassword

Operation	confirmPrevPassword(password: previousPassword
Cross References	Use cases: Clerk Profile Modification
Pre-conditions	<p>The clerk is logged in.</p> <p>The clerk has made changes to their profile information (e.g., name, contact details) OR has entered a new password (after successfully confirming their previous password).</p>
Post-conditions	<ul style="list-style-type: none"> - An instance Password is created. - The password.newpassword updates the clerk's profile information in the database with the newInfo provided. - A confirmation message is displayed to the clerk indicating the successful update

Contract CO4: editProfileInfo

Operation	editProfileInfo(newInfo: newInfo)
Cross References	Use cases: Clerk Profile Modification
Pre-conditions	Clerk is logged in and is interested in changing account information.

Post-conditions	<ul style="list-style-type: none"> - There is an active Session s. - s is associated with a Clerk c. - c has made changes to their profile information (including possibly a new password after successful confirmation) and stored them in newInfo. - c's profile information in the database is updated with the newInfo. - A confirmation message is displayed to c indicating the successful update.
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Contract CO5: confirmNewInfo

Operation	confirmNewInfo()
Cross References	Use cases: Clerk Profile Modification
Pre-conditions	<p>The clerk has edited their profile information using editProfileInfo.</p> <p>The system is displaying the updated profile information for the clerk to review.</p>

Post-conditions

- IF c confirms the changes:
- The changes to c's profile are saved permanently
- A success message is displayed
- ELSE IF c cancels the changes
- The changes to c's profile are discarded
- c's profile reverts to the original information
- An appropriate message is displayed

Updated Sequence Diagram Implementing Grasp 2 (Zoom in 200% to View):

