ID	UC - Admin Creates a Clerk Account
Scope	Hotel Reservation System
Level	Clerk Goal
Stakeholders and Interests	Admin - Responsible for managing the system and ensuring that new clerk accounts are created with accurate information for proper system functionality. Clerk - The individual who will use the newly created account to manage hotel reservations and guest interactions.
Precondition	1. System is working. 2. The Admin has the necessary permissions to create new Clerk accounts.
Postcondition	1. A new Clerk account is created in the system with the necessary default settings, including a username and password.

Main Success Scenario	1. Admin wants to create a Clerk account 2. Admin logs into the system 3. Admin navigates to the "User Management" section 4. Admin selects "Create New Clerk Account" option 5. Admin asks for Clerk for their full name and username 6. Admin confirms and submits the details 7. System confirms that the new clerk account has been successfully created 8. System provides a default password for Clerk to login
Alternate Paths	***.a** System unavailable 1. Admin waits for the system to come back online and retries the process. **2.a** Admin fails to login 1. Admin either tries to login again or changes password **5.a** Clerk provides an invalid username (either duplicate username or containing invalid characters) 1. System informs the Admin that the username is invalid 2. System prompts the Admin to provide a different username 3. Admin informs the Clerk

SSD 2:
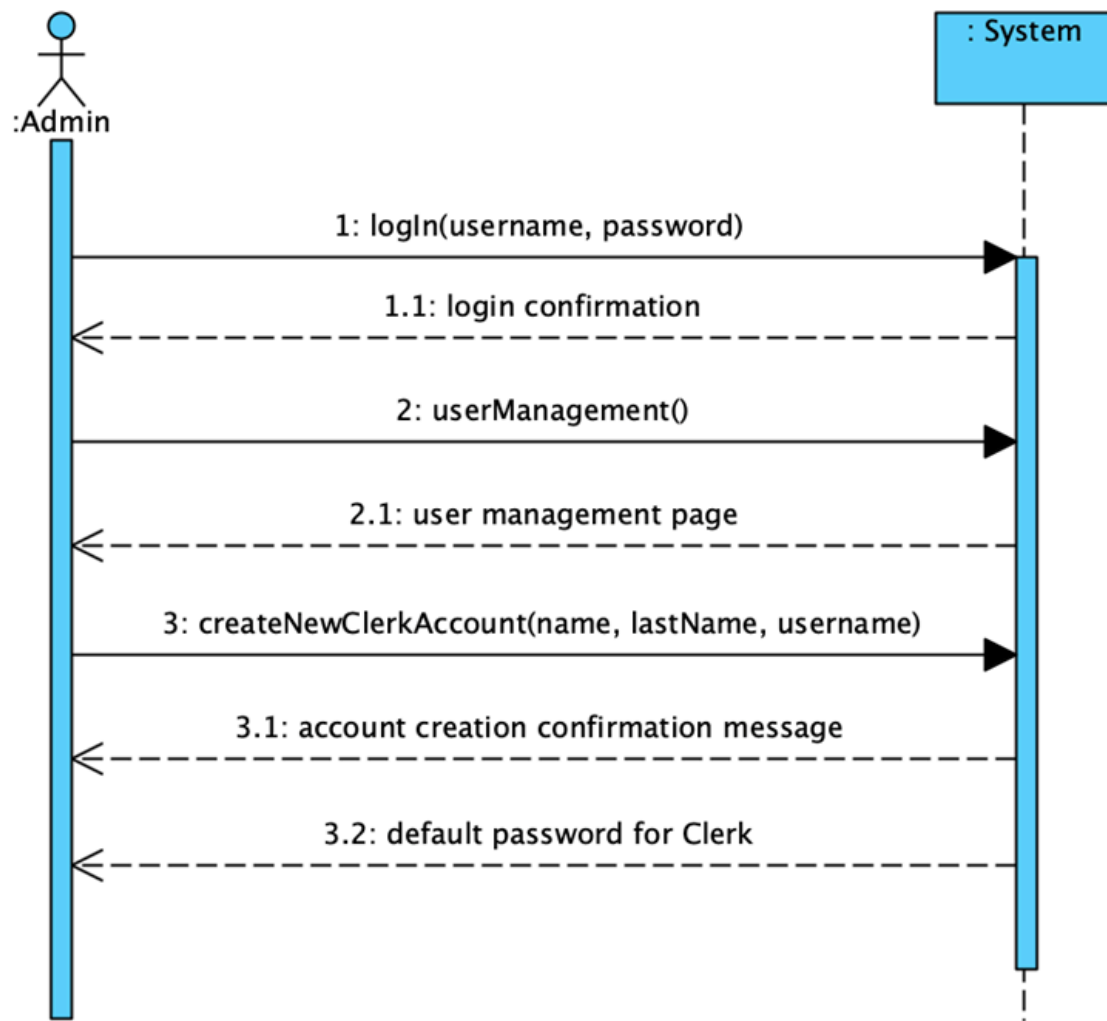
Operation Contract 2:

```
┌─────────────────────────────────────────────────────────┐
│ a                    System                             │
├─────────────────────────────────────────────────────────┤
│ logIn(username, password)                               │
│ userManagement()                                        │
│ createNewClerkAccount(name, lastName, username)         │
│                                                         │
└─────────────────────────────────────────────────────────┘
```

Contract CO1: login(username, password)

Operation	logIn(username, password)
Cross References	Guest Making a Reservation through Clerk Admin Creates a Clerk Account
Pre-conditions	▫ The Admin is not logged in and requires access to manage user accounts.
Post-conditions	▫ The Admin is successfully logged into the system. (system state modification) ▫ An Admin session is created and associated with the Admin instance. (association formed)

Contract CO2: userManagement()

Operation	userManagement()
Cross References	Admin Creates a Clerk Account
Pre-conditions	▫ The Admin is logged in and authorized to manage user accounts.
Post-conditions	▫ The Admin is directed to the User Management interface. (navigation state modification) ▫ The available options for managing user accounts (creating, editing, deleting) are displayed. (data retrieval and presentation)

Contract CO3: createNewClerkAccount(name, lastName, username)

Operation	createNewClerkAccount(name, lastName, username)
Cross References	Admin Creates a Clerk Account
Pre-conditions	▫ The Admin is logged in and on the User Management page. ▫ The Admin has collected the necessary information from the Clerk (full name and desired username).

Post-conditions	▫ A new Clerk instance clerk is created with the provided name and username. (instance creation) ▫ A default password is generated and associated with the new Clerk account. (attribute modification) ▫ The new Clerk account is stored in the system, ready for future access. (data storage) ▫ A confirmation message is displayed to the Admin indicating successful account creation.

SD: