

Field	Description
Use Case Name	Manage Members
Primary Actor	Admin
Stakeholders and Interests	<ul style="list-style-type: none"> - Admin: Wants to manage (add/remove/view) member accounts securely. - System: Must validate admin credentials and store member information properly.
Preconditions	<ul style="list-style-type: none"> - Admin must launch the application. - Admin must successfully log in using valid credentials (admin / admin123).
Postconditions	<ul style="list-style-type: none"> - Member data is updated according to admin's actions (added, removed, or displayed).
Main Success Scenario (Basic Flow)	<p>1. Admin opens the "Manage Members" window. 2. System prompts for admin login. 3. Admin enters valid username and password. 4. System verifies credentials and shows the member management panel. 5. Admin clicks "Add Member". 6. System asks for new member credentials. 7. Admin enters username and password. 8. System stores member and confirms success. 9. Admin clicks "Remove Member". 10. System prompts for username to delete. 11. Admin enters a username. 12. System deletes member and confirms. 13. Admin clicks "View Members". 14. System displays list of all registered members.</p>
Extensions (Alternative Flows)	<p>3a. Invalid Admin Credentials: - System shows "Access Denied" and closes the window. 6a. Empty Input Fields While Adding Member: - System shows error "Fields cannot be empty." 6b. Duplicate Username: - System shows error "Member already exists." 10a. Username Not Found While Removing: - System shows error "Member not found." 14a. No Members to View: - System shows message "No members to show."</p>
Special Requirements	<ul style="list-style-type: none"> - GUI-based interface using Java Swing. - Password fields must not show actual characters. - Member data stored in-memory (HashMap).
Technology and Data Variants List	<ul style="list-style-type: none"> - Admin credentials: Fixed (admin/admin123) - Member data stored temporarily (not persistent after closing).
Open Issues	<ul style="list-style-type: none"> - No persistent storage; members are lost on closing the app. - No password encryption. - Single admin only; no role-based access control.