Abstract Entity User	Parent Class: Child Class:
Responsibilities: - Contain private instance variables: userName(unique), password, isAdmin(0 stands for false, 1 stands for true), loginHistory, bannedUntil(stores the date ban will be lifted), isSignedIn(True if yes, False if no) - Getters and setters for username, password, loginHistory, bannedUntil, isSignedIn, isAdmin - Append to loginHistory - Getter for loginHistory	This class does not depend on other classes.

Use case UserManager	Parent Class: Child Class:
Responsibilities: - Log in a User - Stores a map of all Users (username to user) - Check if a User has logged in yet by username - Temporally Ban a non-admin user. - Delete a non-admin user by username - Return the login history of a user by username. - Create a admin/normal user - Read user data into map. - Save user data to local file.	User IGateway

Use case UserController	Parent Class: Child Class:
Responsibilities: - Stores an instance of UserManager - Calls methods in UserManager(login, delete, ban, create account, check login history) when needed.	Usermanager

LogInController	Parent Class: Child Class:
Responsibilities: - Takes user input and decides to send message to other two controllers accordingly. - Prompts users to enter their instructions in the terminal, - Stores an instance of AdminController - Stores an instance of NormalUserController - Reads in current user data and save them appropriately.	AdminController NormalUserController

Interface	Parent Class: Child Class:
Responsibilities: - Make sure the class implementing it has methods read, save.	

Gateway	Parent Class: Child Class:
Responsibilities: - Has access for saving and loading of users data to and from a local file.	IGateway