

Class Name: User	
<p>Responsibilities</p> <ul style="list-style-type: none"> - Has a UserID identifier - Has a Username - Has a Password - Has a Github Link - Has a LinkedIn Link - Has a technology tags - Has a profile picture - Can Login - Can Logout - Can Register - Can Message other users - Can follow other Users - Can join other Projects - Can post on forums by making new threads and posts - Knows who is following this user - Knows what projects it is a collaborator for - Knows what projects it is a owner for 	<p>Collaborators</p> <ul style="list-style-type: none"> - Project

Class Name: Project	
<p>Responsibilities</p> <ul style="list-style-type: none"> - Has a ProjectID identifier - Has a Project Name - Has a Github Link - Has a privacy view setting - Has a Date Created - Has a Project Description - Has a list of technology tags used to describe that project - Keeps a list of users who are a part of that project - Knows who owns that project - Can be modified by a user by updating its project settings 	<p>Collaborators</p> <ul style="list-style-type: none"> - User

Interface	
Data Access Object	
Responsibilities <ul style="list-style-type: none">- Create a user, given username and password- Get a user, given correct username and password- A user can modify their own user information- A user can link their CollabCloud account with their GitHub account- A user can create a project- A user can get and view a project given its PID identifier- A user who owns a project can modify it- A user who does not own a project can join it- A Project knows what account it is linked to through GitHub- A Project can pull information from a GitHub repository	Collaborators <ul style="list-style-type: none">- User- Project

Class Name: Message	
<p>Responsibilities</p> <ul style="list-style-type: none"> - Has a Message body (text) - Knows who sent the message - Knows who the message is intended for - Is generated when a user opens the chat interface and sends a message to another user - A user can send a message to any other user on the platform 	<p>Collaborators</p> <ul style="list-style-type: none"> - User

Interface	
Data Access Object	
<p>Responsibilities</p> <ul style="list-style-type: none"> - Given a user, retrieve all messages intended for them from the database - When a user sends a message, stores these messages into the database, so that the user can have a chat history - Opens sockets that allows messages to be sent between users in real-time 	<p>Collaborators</p> <ul style="list-style-type: none"> - User - Message

Class Name: Forum Thread	
<p>Responsibilities</p> <ul style="list-style-type: none"> - A forum thread knows which user owns it - A forum thread has its own unique thread ID - A forum thread has a topic - A forum thread has a name - A forum thread has content (text) - A forum thread knows when it was created - A user can create a forum thread - A forum thread can store multiple posts from other users 	<p>Collaborators</p> <ul style="list-style-type: none"> - Forum Post - User

Class Name: Forum Post	
<p>Responsibilities</p> <ul style="list-style-type: none"> - A forum post knows which user owns it - A forum post has a post id - A forum post has content (text) - A forum post knows when it was created - A user can create a forum post - A forum post belongs to a forum thread 	<p>Collaborators</p> <ul style="list-style-type: none"> - Forum Thread - User

Interface	
Data Access Object	
<p>Responsibilities</p> <ul style="list-style-type: none"> - A user can create a forum thread and forum post, both of which are stored in the database - Both forum threads and forum posts are stored in a database - When a user visits the forum interface, forums and their posts are retrieved from the database 	<p>Collaborators</p> <ul style="list-style-type: none"> - User - Forum Post - Forum Thread