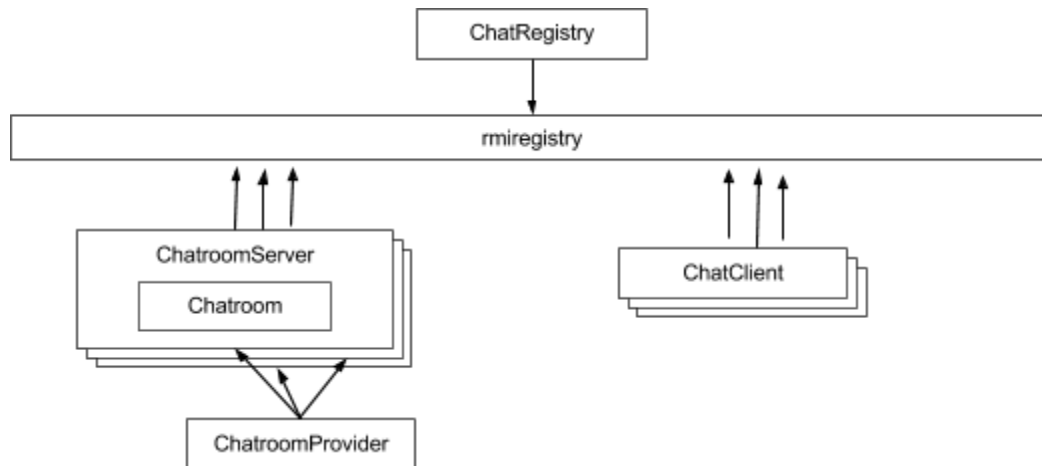


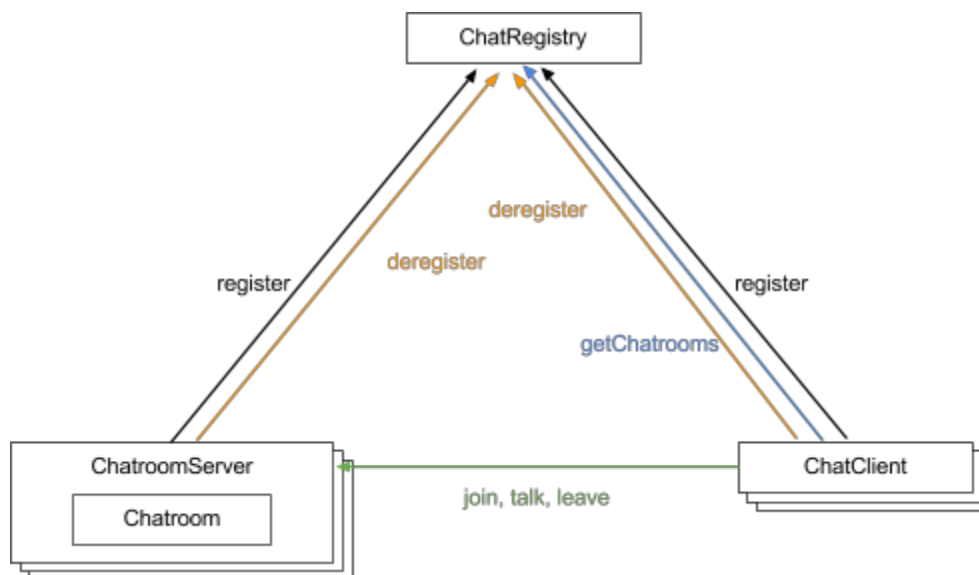
Mini Project #3 Design Document

Chinwei Hu

To build a distributed chat room service with Java RMI, we started with the system architecture design:



The system-level architecture is fairly straightforward, in which **ChatRegistry**, **ChatClient**, and **ChatServer** export their skeleton to the **rmiregistry** and interact with one another through their stub objects provided by the **rmiregistry**. A more concrete design with RMI transparency is as follows:



1. ChatRegistry exports skeleton on the registry
2. ChatProvider creates ChatServer register ChatRoom through the ChatRegistry stub
3. ChatClient gets a list of ChatRooms through the ChatRegistry stub
4. ChatClient gets ChatServer stub from ChatRegistry