**Architectural Goals and Constraints**

The key goals of the architecture:

* Mutual Exclusion: only one user can make a reservation for a room at a specific time. Any amount of people can be viewing reservations.
* Safety: Reservations and user info is not overwritten or modified by other users.
* Fairness: Users can only make three reservations a week, for a time limit of three hours each. Have a waiting queue for people who want to make reservations that does not prioritize any user.

Key constraints to the architecture are:

* Coupling: The system must not make too many calls to the database. Units of work will be used to group calls and execute them all at the same time.