# DuelHub

Detailed design

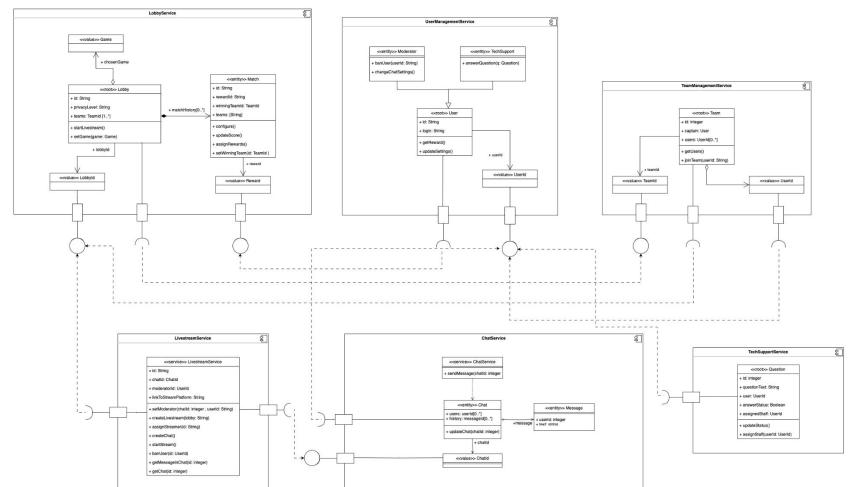
#### Product description

DuelHub is a web application, that provides a convenient online space for gamers to coordinate and engage in competitive matches across a wide range of computer games. By facilitating the organization of duels, our product ensures that players can easily connect with opponents and enjoy thrilling gaming experiences.

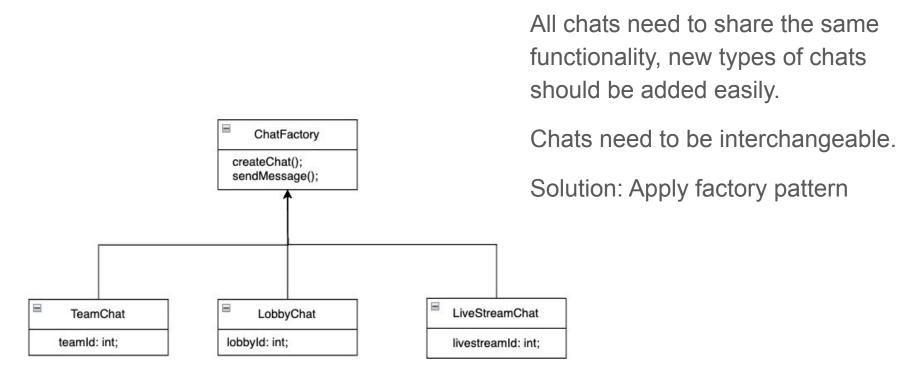
Team: Lyudmila Rezunik, Teona Sadulaeva

Repo: <a href="https://github.com/teopalmer/duelhub">https://github.com/teopalmer/duelhub</a>

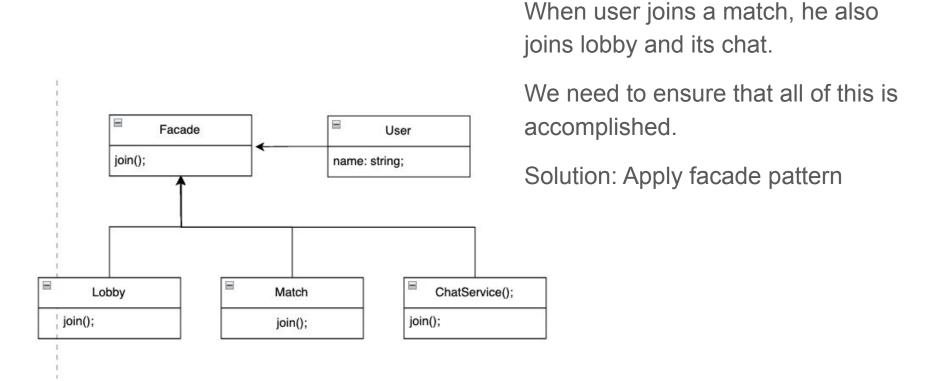
## System architecture



#### Factory pattern for messages



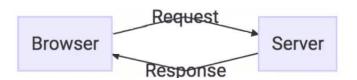
### Facade pattern for joining matches



#### **REST API**

As we apply REST architecture style we need to conform to principles to make our system RESTful

- 1. Uniform interface
- 2. Stateless technology
- 3. Layered system
- 4. Caching
- 5. Code on demand





#### SOLID

