

DuelHub

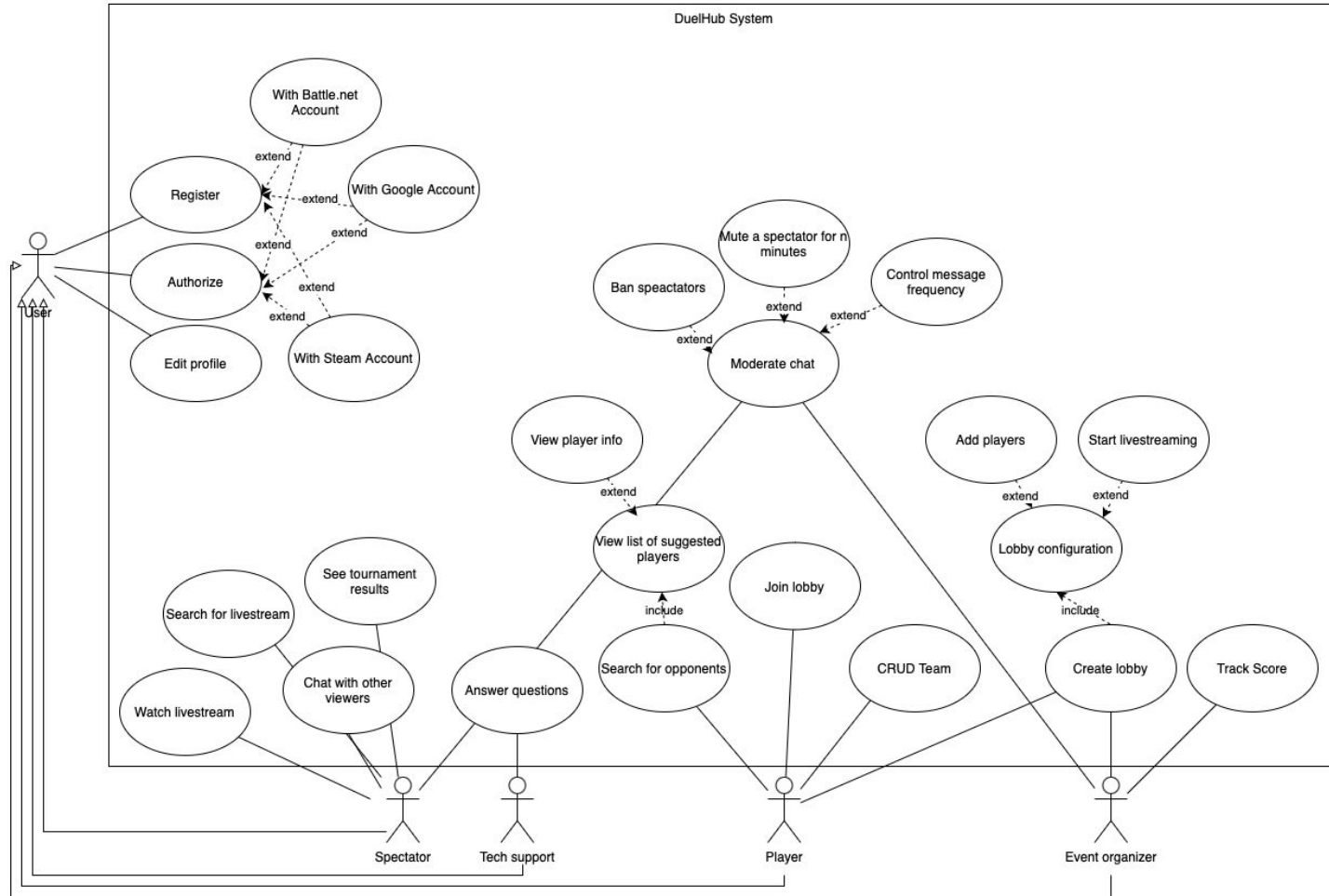
Resources and microservices

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.

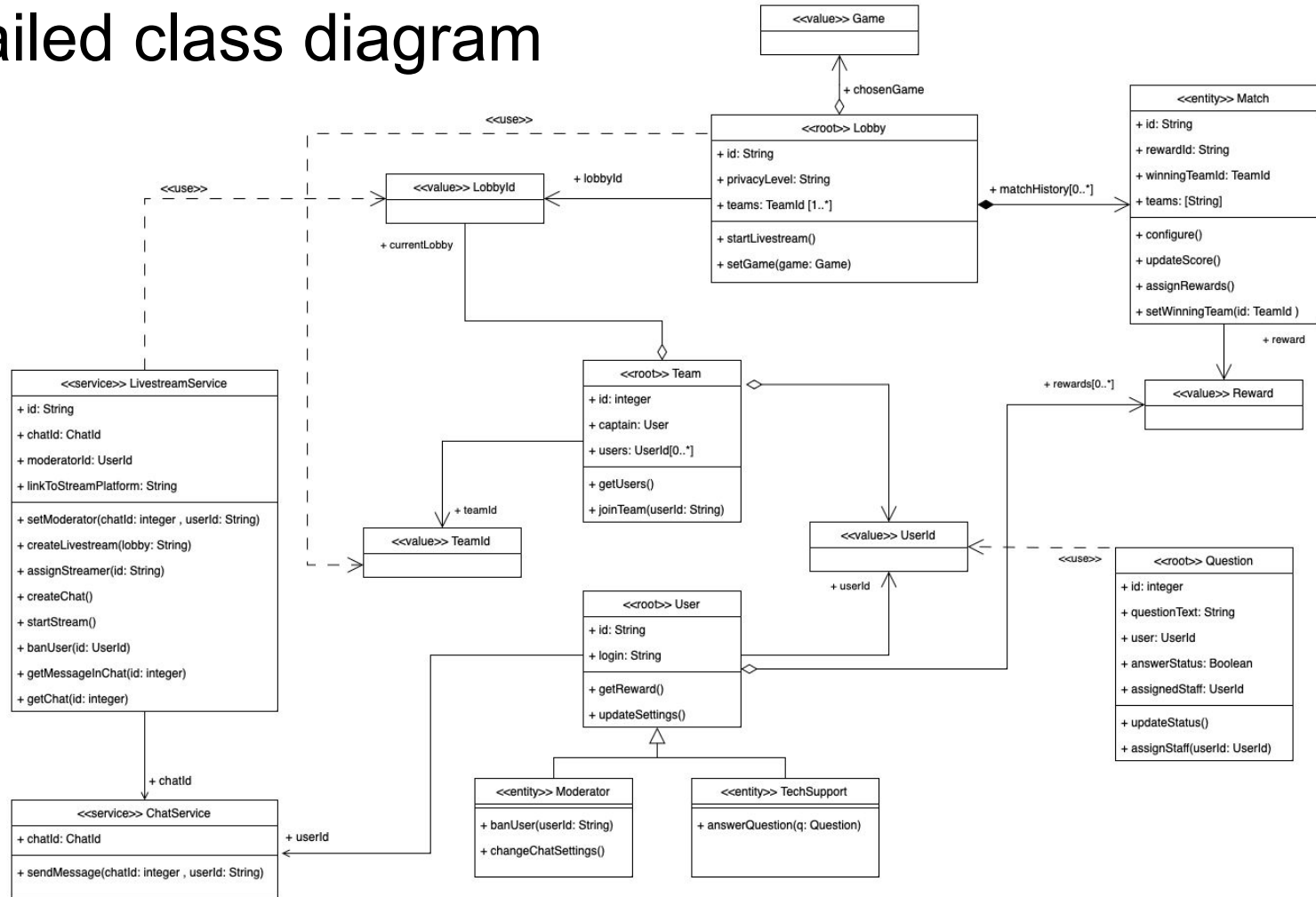
Repo: <https://gitlab.com/duelhub>

Use case diagram



A few use-cases, which represent too detailed functionality were removed.

Detailed class diagram



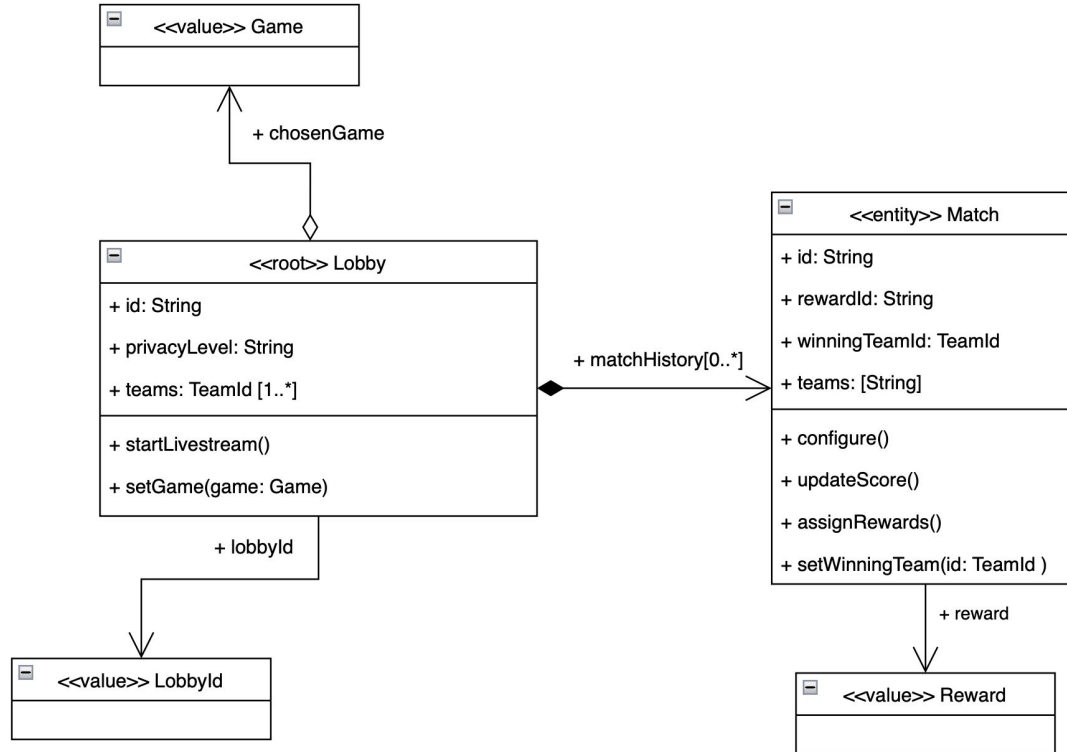
Detailed class diagram

We updated our class diagram: added value classifiers, solved the problem with the roots and added missing entities.

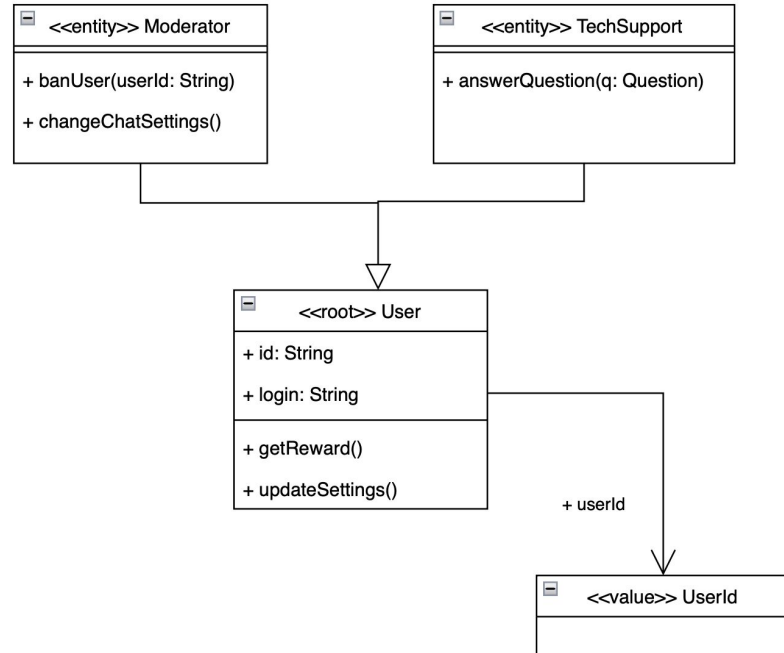
Our diagrams in full resolution are available here:

<https://drive.google.com/file/d/12iX-DQJiogurJVrrsGgnssINR9I7YS4X/view?usp=sharing>

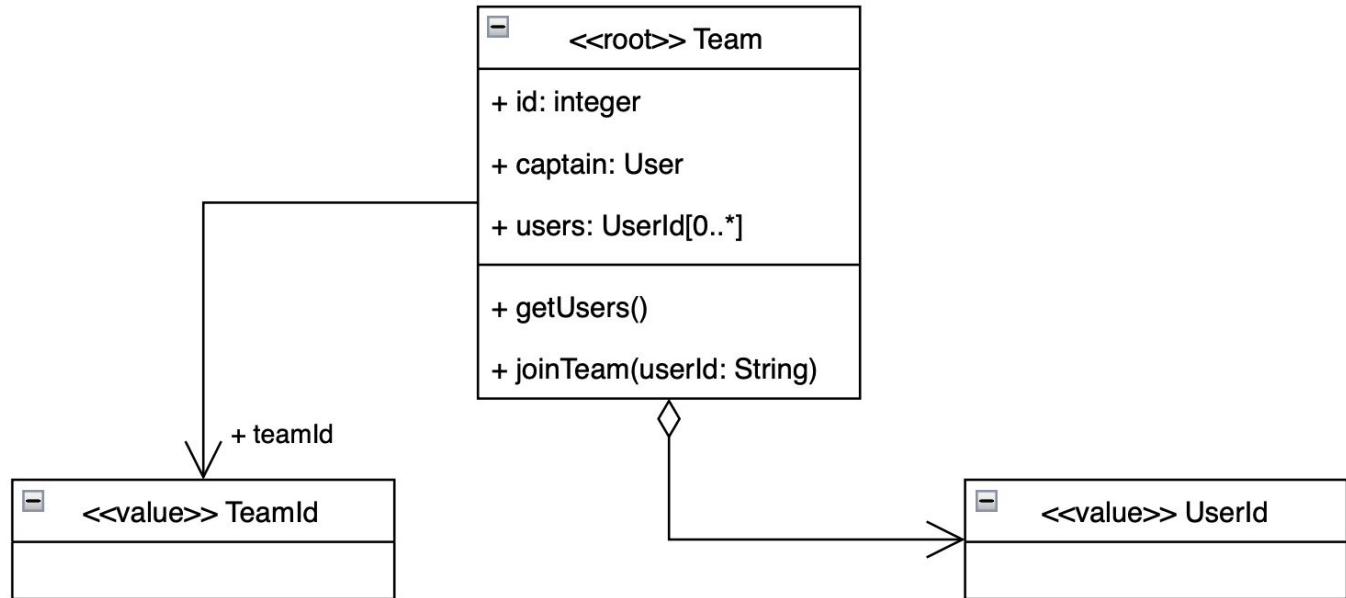
Detailed class diagram - Aggregate LobbyService



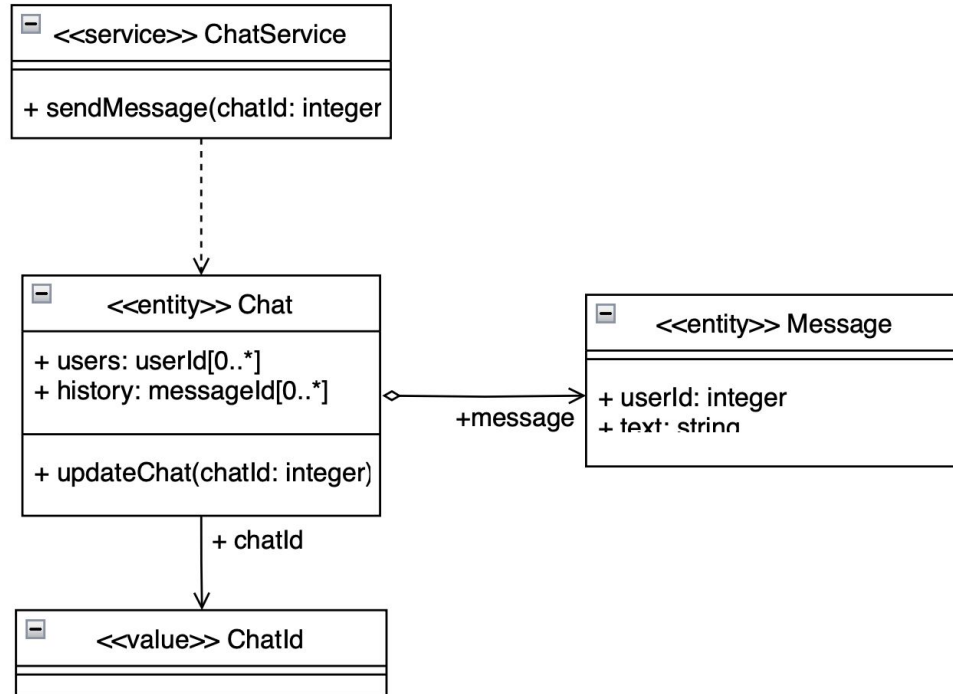
Detailed class diagram - Aggregate UserManagement



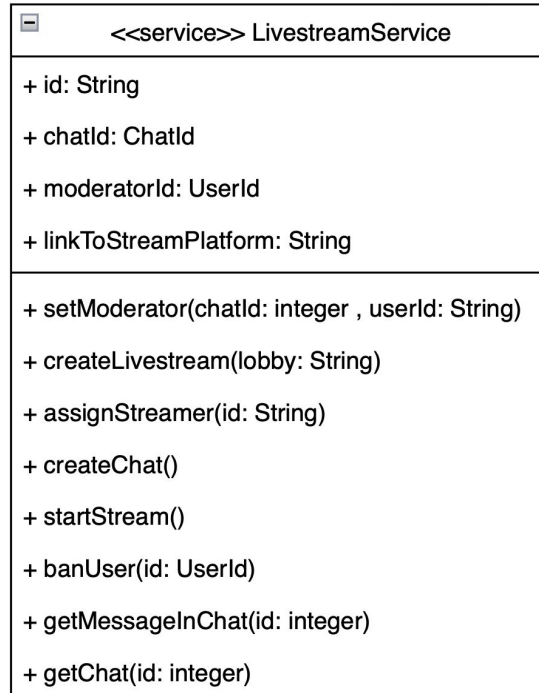
Detailed class diagram - Aggregate TeamManagement



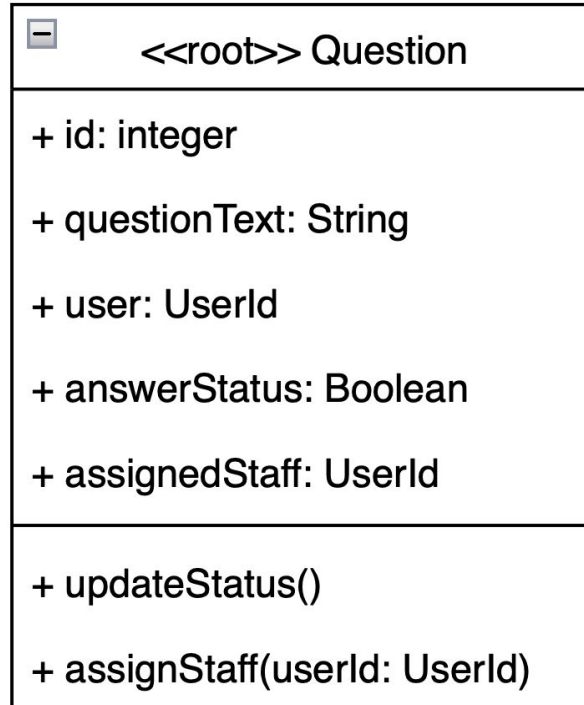
Detailed class diagram - Aggregate ChatService



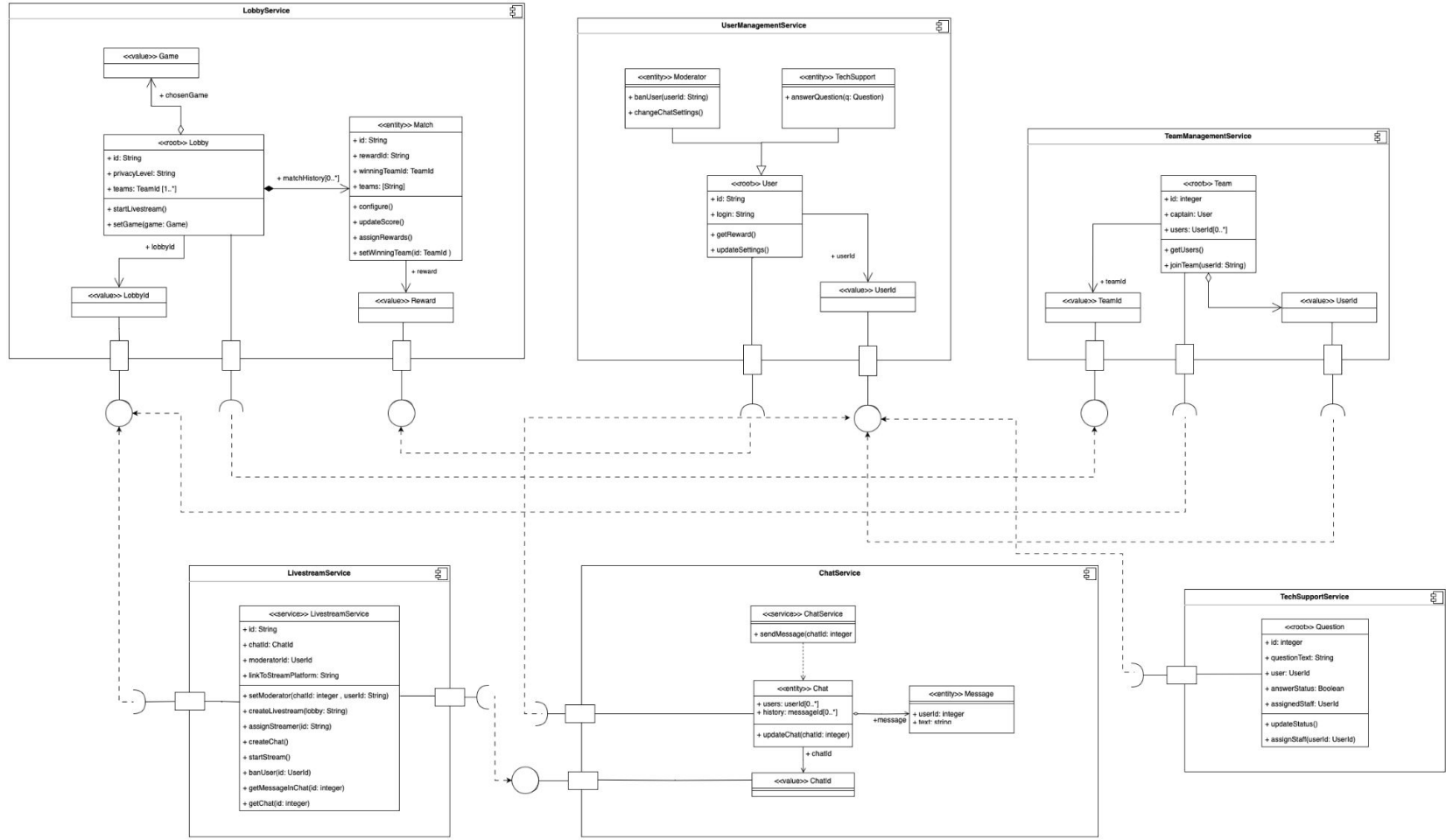
Detailed class diagram - Aggregate Livestream



Detailed class diagram - Aggregate TechSupport



Service diagram



Service diagram

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<https://drive.google.com/file/d/12iX-DQJiogurJVrrsGgnssINR9I7YS4X/view?usp=sharing>

Traceability

Microservice (component)	Resource (interface)	Domain classes in the microservice	Use case that use the microservice
LobbyService	LobbyId, Reward	Match, Game, Lobby	Join lobby, Create lobby, lobby configuration, track score, add players
UserManagementService	UserId	User, TechSupport, Moderator	Register, authorize, edit profile, search for opponents, view list of suggested players
TeamManagementService	TeamId	Team	CRUD Team
ChatService	ChatId	Chat, ChatMessage	Chat with other viewers, moderate chat
LivestreamService		LivestreamService	Watch livestream, see tournament results, start livestreaming
TechSupportService		TechSupportService	Answer questions