DuelHub

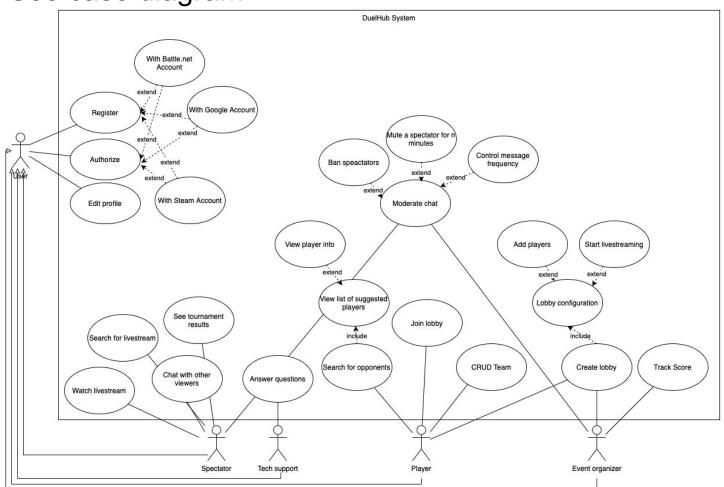
Resources and microservices

Product description

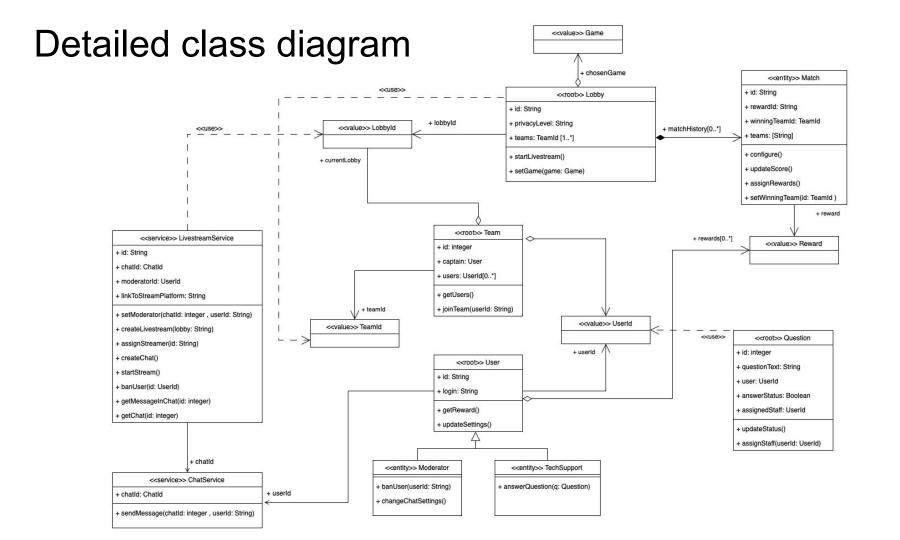
DuelHub is a web application, that provides a convenient online space for gamers to coordinate and engage in competitive matches across a wide range of computer games. By facilitating the organization of duels, our product ensures that players can easily connect with opponents and enjoy thrilling gaming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

Repo: https://gitlab.com/duelhub

Use case diagram



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



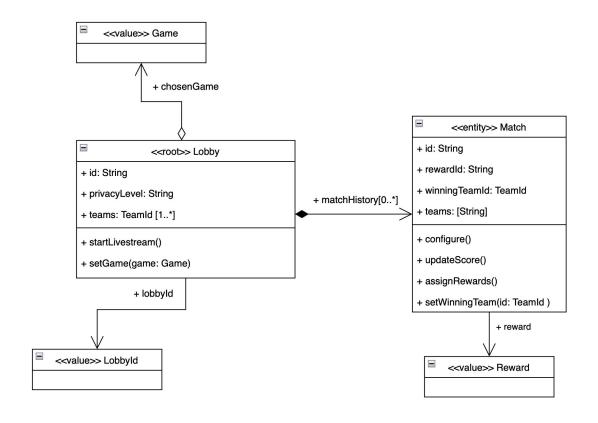
Detailed class diagram

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

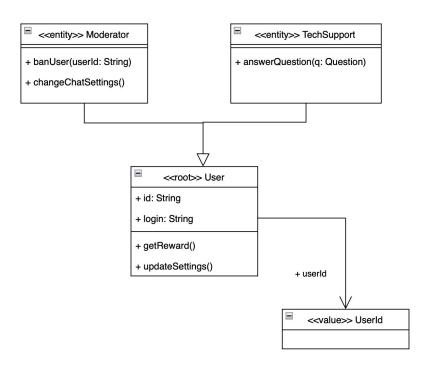
Our diagrams in full resolution are available here:

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

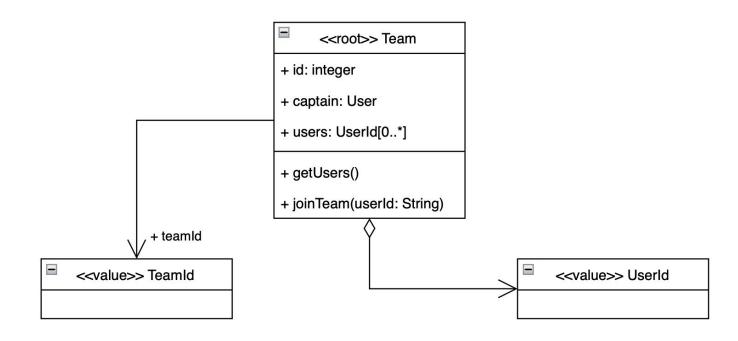
Detailed class diagram - Aggregate LobbyService



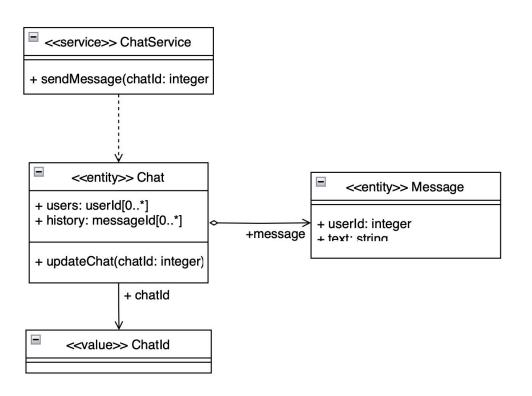
Detailed class diagram - Aggregate UserManagement



Detailed class diagram - Aggregate TeamManagement



Detailed class diagram - Aggregate ChatService



Detailed class diagram - Aggregate Livestream

<<service>>> LivestreamService

+ id: String

+ chatld: Chatld

+ moderatorId: UserId

+ linkToStreamPlatform: String

+ setModerator(chatld: integer, userld: String)

+ createLivestream(lobby: String)

+ assignStreamer(id: String)

+ createChat()

+ startStream()

+ banUser(id: UserId)

+ getMessageInChat(id: integer)

+ getChat(id: integer)

Detailed class diagram - Aggregate TechSupport

<<root>> Question

+ id: integer

+ questionText: String

+ user: UserId

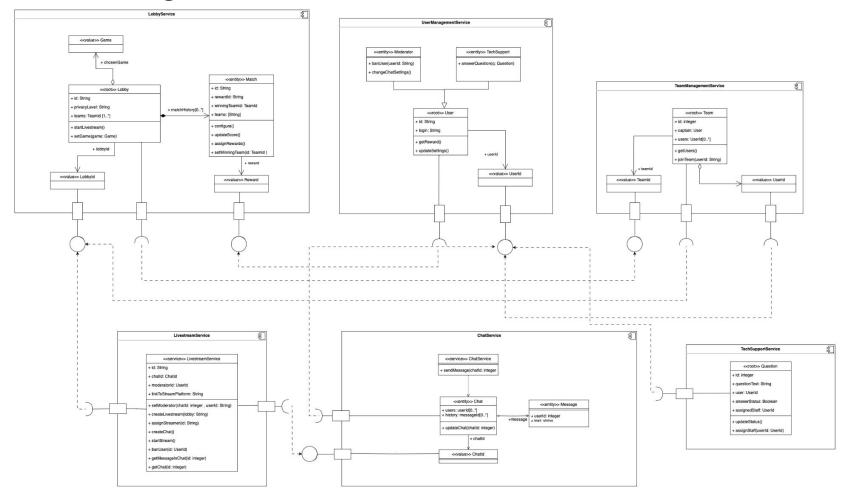
+ answerStatus: Boolean

+ assignedStaff: UserId

+ updateStatus()

+ assignStaff(userId: UserId)

Service diagram



Service diagram

Our diagrams in full resolution are available here:

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	Lobbyld, Reward	Match, Game, Lobby	Join lobby, Create lobby, lobby configuration, track score, add players
UserManagementService	Userld	User, TechSupport, Moderator	Register, authorize, edit profile, search for opponents, view list of suggested players
TeamManagementService	Teamld	Team	CRUD Team
ChatService	Chatld	Chat, ChatMessage	Chat with other viewers, moderate chat
LivestreamService		LivestreamService	Watch livestream, see tournament results, start livestreaming
TechSupportService		TechSupportService	Answer questions