

System Design

Team-4

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CRC Cards

Class: User	
Responsibilities: <ul style="list-style-type: none">- Knows its username and password- Has a list of friends, who are other users- Modifies their list of friends- Has a list of blocked users, a list of favourite games, and a list of posts- Modifies their list of blocked users, a list of favourite games, and a list of posts- Has its own saved settings and is able to modify it	

Class: Game	
Responsibilities: <ul style="list-style-type: none">- Knows its reviews, comments	

Class: Post Subclass: Media, Review, Comment	
Responsibilities: <ul style="list-style-type: none">- Has poster user, game, text, modify date, and likes count- Modifies content, modify date, and likes count	Collaborators: <ul style="list-style-type: none">- Users- Games

Parentclass: Post Class: Media	
Responsibilities: <ul style="list-style-type: none">- Has media content and a child post (comments)- Modifies media content and a child post	

Parentclass: Post Class: Comment	
Responsibilities: - Has a parent post (media or comment)	Collaborators: - Users - Games - Media

Parentclass: Post Class: Review	
Responsibilities: - Has a rating - Modifies rating	Collaborators: - Users - Games

Class: Game Queue	
Responsibilities: - Knows its users in the queue - Knows its game - Matches users together for gameplay	Collaborators: - Users - Game

Software Architecture Diagram

Three Tier Architecture Diagram:

https://en.wikipedia.org/wiki/Multitier_architecture#Three-tier_architecture

<https://www.jinfont.com/resources/bi-defined/3-tier-architecture-complete-overview/>

