User account management

**Entity name: User**

* User’s id *(The user’s id)*
* in-game name *(The in-game name of the user)*
* Facebook page *(The user’s social media (optional, and can be added))*
* Password *(The password used to log in)*
* Avatar URL *(The URL pointing to the user’s uploaded Avatar)*
* IsDeleted *(The state indicating whether the user account will display or not)*
* IsVerified *(The state indicating the user account is verified)*

Following management

**Entity name: Follow**

* ID *(To be the primary key)*
* Follower’s ID *(Id of the follower)*
* Following’s ID *(Id of the user being followed)*

Rating management

**Entity name: Rating**

* User’s id *(Id of the user being rated)*
* Rater’s id *(Id of the user rating)*
* Score *(The rating score)*
* Type *(The type of rating (skill or behavior))*

Banned User managing

**Entity name: BannedUser**

* ID (*To be the primary key)*
* User’s ID *(To identify which user has been banned)*
* Administrator’s ID *(To identify which administrator issued the ban)*
* ExpirationDate *(The date in which the ban expires)*
* Reason *(To specify the reason for banning, optional)*

***Reasoning and functioning method:*** When a user is banned on the website, a new record containing that user’s id and the id of the administrator that issued the ban is inserted into the BannedUser table.

Every time a user access the website, their id is checked in the BannedUser table. If there id does not exist in the BannedUser table, let them in. If there id exist, continue to check ExpirationDate, if current date passed ExpirationDate, let them in, if not, forward the user to the Banned Page.

Flow chart

Diagram

Description automatically generated

Legends managing

**Entity name: Legend**

* Legend’s id *(The id of the legend)*
* Name (The name of the legend)
* Icon URL (The url pointing to the legend’s icon)

Administrator managing

**Entity name: Administrator**

* Administrator’s ID *(The id of the administrator)*
* Administrator’s password *(The password of the administrator)*
* Name *(The name of the administrator)*
* DOB *(Administrator date of birth)*
* Email address *(Administrator email address)*