Speedrun Leaderboard ERD assignment

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Purpose:

This website’s purpose is to provide a place for players of a multitude of games to speedrun and submit their runs for the purpose of trying to attain a placement on the leaderboards which they do either competitively or for the fun of it.

Speed running:

It’s the act of finishing a video game in the least amount of time possible.

Entities:

1) User

2) Run

3) Details

4) Leaderboard

5) Category

6)Game

7)Game Mode

Explaining the entities

1.User

The account of each user, whether it is for a person to browse and discuss opinions about certain runs or to submit their own, contains the user’s email, username, age, location, birthdate and a unique identifier ID

2.Run

Runs submitted by the players that have made an account each with its own relevant info such as: Date of submission, In-game Time, Rank(globally) and platform played upon.

3.Details

The details entity contains mostly optional info that can be attached to submitted runs that each runner would want to share such as links to his/her profile on external social media, video of submitted runs or even a brief description.

4.Leaderboard

The Leaderboards are where all runs end up each with its own rank based on IGT each version range also gets its own leaderboard.

5.Category

Each Leaderboard gets its own category that has its own rules/goals.

6.Game

This entity houses all the supported games on our website.

7.Game Mode

Weak entity to the Strong Entity Game

Contains Information related to the Game’s gamemode name, description about the gamemode, and the gamemode’s creator(s)

Relational schema

Game(Game\_ID(PK),{Platform}, Genre, Name)

Gamemode(Game\_ID(PK/FK), Mode\_ID(PK), Mode\_Name, Mode\_Description, Mode\_Creator\_Name)

Category(Category\_ID(PK), Game\_ID(FK), Version(FK), Type, Name)

Leaderboard(Version(PK), Name, Mods, Version\_Range, Difficulty)

Run(Run\_ID(PK), User\_ID(FK), Version(FK), In\_Game\_Time, Date(Year, Month, Day), {Platform}, Rank)

User(User\_ID(PK), Username, Birthdate(Year, Month, Day), Email, (Age), Location(Street, City, Country))

Details(Run\_ID(PK/FK), Details\_ID(PK), Relevant\_links, Run\_Video)

SQL Screenshots:

