

Game Catalogue DB Project Proposal

Background

This project proposal is primarily inspired by popular video game launchers like Steam and Epic Games Launcher. A game catalogue will help avid gamers in organizing all their games in one place. It will also allow users to create profiles and connect with other people who are probably playing the same games.

Game launchers work as video game catalogues too and enable users to browse many available games they wish to purchase in one place instead of working their way through each different video game developer's website. It is probably evident by now that a game launcher's main selling point is convenience. Another plus I would say is they help to build a community. Both of these will be incorporated in a game catalogue.

On PC, the Steam launcher is probably the most popular platform in the world currently, so much so that the company behind the platform stopped developing games to fully focus on the platform.

Application Requirements

The following points describe what is required from the application:

1. Create a database that has different tables for users, games, friends, user game library, etc.
2. Enable users to publish their own games (game developed by the user) on the platform.
3. Allow users to search for games they wish to purchase and provide available purchase options.
4. Allow users to edit their game library: adding or removing games.
5. View the number of people playing a specific game, a game's launch date, genre and other info.
If the size of the database is average, it should allow a user to see the entire list of users who are playing a specific game. Otherwise, if there is too much data, it should only allow a user to see which friends are playing that game. This would be decided later in the course.
6. A user will have a unique user ID, a list of games they have published, a game library (list of games they have purchased) and a list of friends for now.
7. A game will have a unique game ID, number of people who own the game, a list of available purchase options, genre and developer's user ID.
8. It should allow a user to search for other users to make friends with or to remove existing friends.
9. The application will probably be web-based so it would be hosted on a web browser like Chrome, Safari, etc.

Due Diligence (Copyright Issues)

Since this database will only be cataloging games with a description of the game (like release date, developer name, etc.) and user information like the games they have in their library, the friends they have in their friends list, it is my belief that I would not be in violation of any copyrights in making a database, or application, public.

While I know that it is illegal to reproduce intellectual property of an individual, it is not illegal to catalog them. In other words, it is not illegal to build and publish a database of different games with descriptions and user created libraries.

Steam View Friends Games Help

← → STORE LIBRARY COMMUNITY THEKINGSLAYER777

HOME

GAMES

RECENT GAMES

1 week ago 2 weeks ago September 2020 June 2020 January 2018

AMONG US

TIME PLAYED
Last two weeks: 3 hrs
Total: 18.3 hrs

COUNTER-STRIKE

2019

CRUSADER KINGS II

ALL GAMES (5) SORT BY Alphabetical

AMONG US

COUNTER-STRIKE

CRUSADER KINGS II

2019

ADD A GAME

DOWNLOADS Manage

FRIENDS & CHAT

Steam View Friends Games Help

← → STORE LIBRARY COMMUNITY THEKINGSLAYER777

YOUR FRIENDS 2 / 260

Manage Friends List Add a Friend

Search friends by name or game

ONLINE

OFFLINE

LAST Online 7 days ago

YOUR GROUPS

Pending Invites

Find a Group...

ADD A GAME

DOWNLOADS Manage

FRIENDS & CHAT

Type here to search

5:06 PM 2021-01-27

SteamView FriendsGamesHelp

←→STORELIBRARYCOMMUNITYTHEKINGSLAYER777


New and Trending

Top Sellers

What's Popular

Top Rated

Upcoming




Skul: The Hero Slayer

Indie, Action, Action Roguelike, Roguelike

CDN\$ 23.79


CDN\$ 18.23



Cyber Shadow

Action, Indie, Ninja, Retro


CDN\$ 24.99



Atelier Ryza 2: Lost Legends & the Secret Fairy

RPG, RPG, Female Protagonist, Fantasy


CDN\$ 68.99



EVERSPACE™ 2

Early Access, Space, Looter Shooter, Flight

CDN\$ 51.49




Phenotopia: Awakening

Adventure, Action, Platformer, Metroidvania

CDN\$ 21.49


CDN\$ 19.79



Red Dead Online

Adventure, Action, Multiplayer, Open World


CDN\$ 7.49



Heroes of the Three Kingdoms 8

Strategy, Historical, Action, RPG

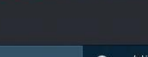
CDN\$ 36.99



Yakuza: Like a Dragon


RPG, Adventure, Action, JRPG

CDN\$ 79.99



NEKO ARENA

DAILY DEAL



Postal 4: No Regerts

WEDNESDAY UPDATE

CDN\$ 23.19

Today's deal

4 days: \$19.92/\$23.19

SPOTLIGHT

WEEKLONG DEALS

CLICK TO SEE ALL

1942

Products on sale this week

+ ADD A GAME

DOWNLOADS

Manage

FRIENDS & CHAT

+

Type here to search

5:07 PM

2021-01-27