IGDb – Internet Games Database

Group member

- Nguyen Gia Bach
- Hoang Truong Giang
- Nguyen Tuan Hai

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Overview

Overview

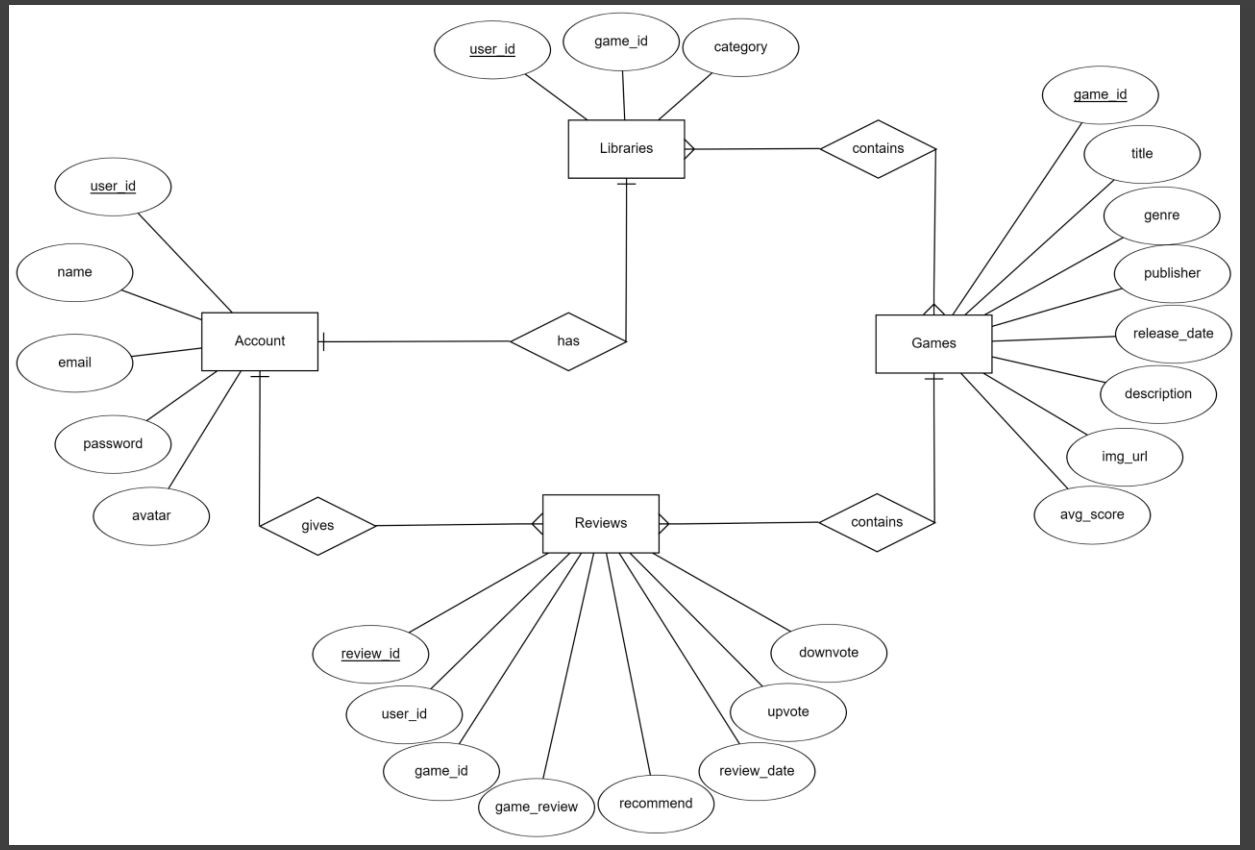
- Beside movies, video game is also a popular form of entertainment. With a wide variety of games currently on the market, it is not easy to find an enjoyable and quality game to play. Therefore, we want to use this Database project to create an Internet Games Database (IGDb) – a 2nd version of Steam – but focus on simplicity, convenience and user friendliness.

Overview

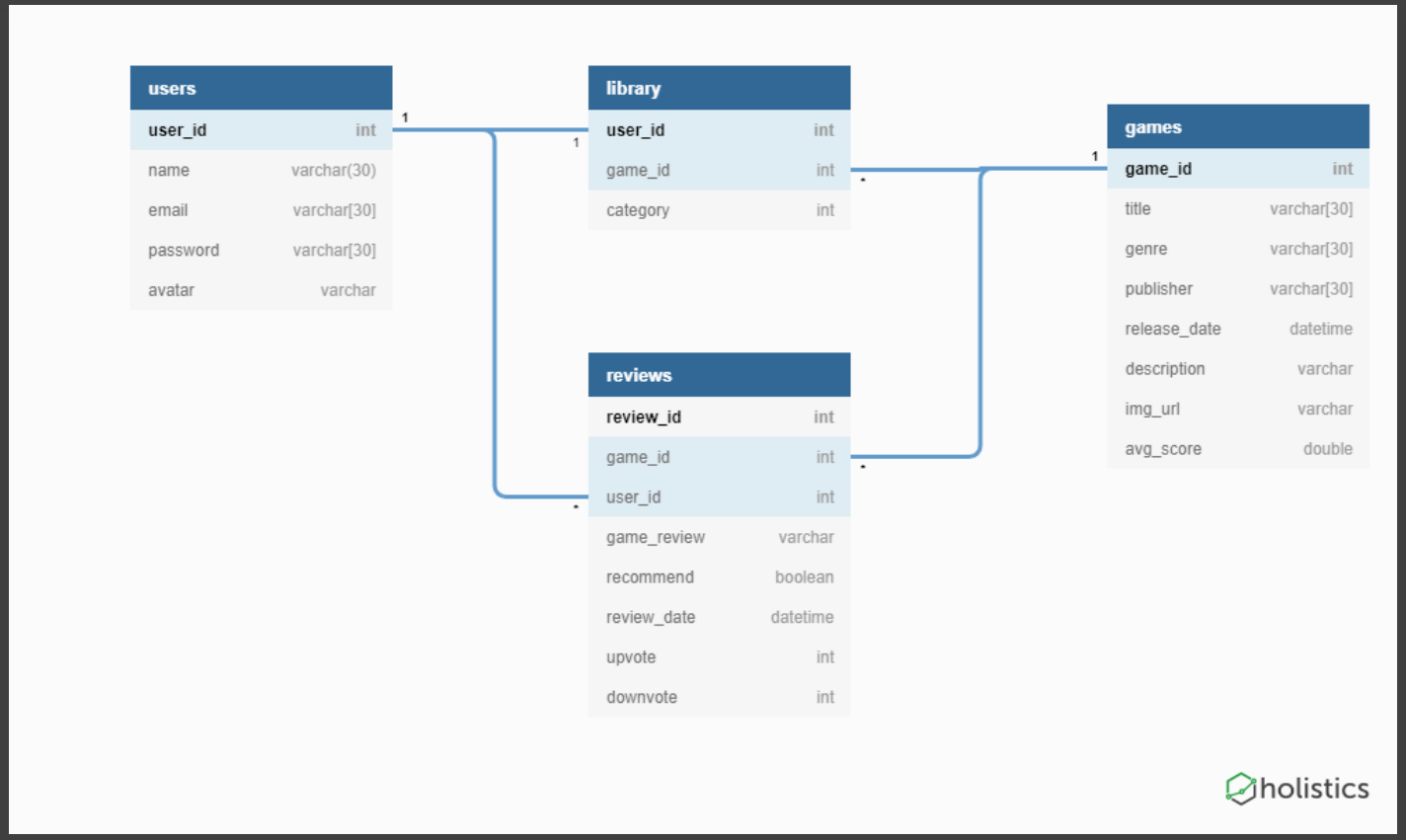
- Our group objective is to create a functional game database website, with basic functions such as finding games based on categories, leaving reviews and ratings for games, and adding games to your library.

Database design

Entity Relationship Diagram



Relationship diagram



Name	Datatype
user_id	Int
name	varchar(30)
email	varchar(30)
password	varchar(30)
avatar	varchar

games relation

Name	Datatype
game_id	int
title	varchar(30)
genre	varchar(30)
publisher	varchar(30)
release_date	datetime
description	varchar
img_url	varchar
avg_score	double

Name	Datatype
user_id	Int
game_id	Int
categories	int

reviews relation

Name	Datatype
review_id	int
game_id	int
user_id	int
game_review	varchar
recommend	boolean
review_date	datetime
Upvote	int
downvote	int

Trigger

```
--trigger for calculating avg_score

CREATE or REPLACE function igdb.tg_af_insert_review() returns
$$
DECLARE
    pos_review float := 0;
    total_review float := 0;
BEGIN
    SELECT INTO pos_review count(*) FROM igdb.reviews
    WHERE game_id = NEW.game_id and recommend = 'true';
    SELECT INTO total_review count(*) FROM igdb.reviews WHERE
    UPDATE igdb.games
        SET avg_score = ( 10 * pos_review ) / total_review
        WHERE game_id = NEW.game_id;
    RETURN NEW;
END;
$$
language plpgsql;


create trigger af_insert_review
    after insert on igdb.reviews
    for each row
    when (NEW.review_id is not null)
    execute procedure igdb.tg_af_insert_review();
```

View

```
CREATE VIEW igdb.game_view_store AS
    SELECT g.*,
    (SELECT COUNT(*) FROM igdb.library l WHERE l.game_id = g.game_id)
    as total_added FROM igdb.games g;
```

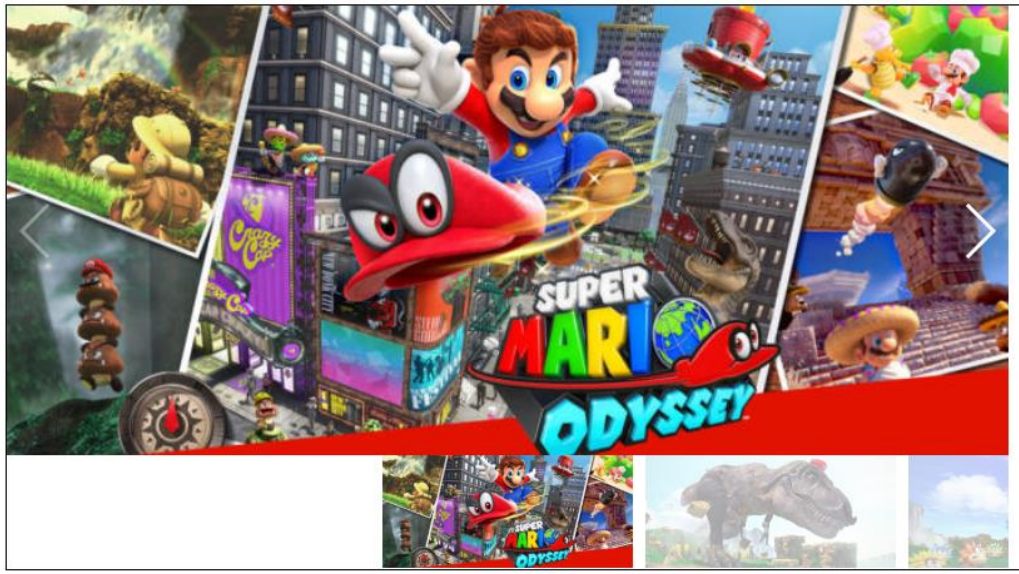
Features

Features

- User:
  - Login/logout/register
  - Browse games
  - Filter results
    - Games: None – Newest – Most popular – Highest rated
    - Library: None – Playing – Completed – Plan to play - Dropped
  - Search for games by title or genre
  - Add game to library
  - Give review/ratings to games
  - Upvote / Downvote a review
  - Set status to games on library (Playing – Completed – Plan to play - Dropped)
  - View user’s status
  - Ranked by number of upvotes – downvotes for reviews

Add game to library

SUPER MARIO ODYSSEY



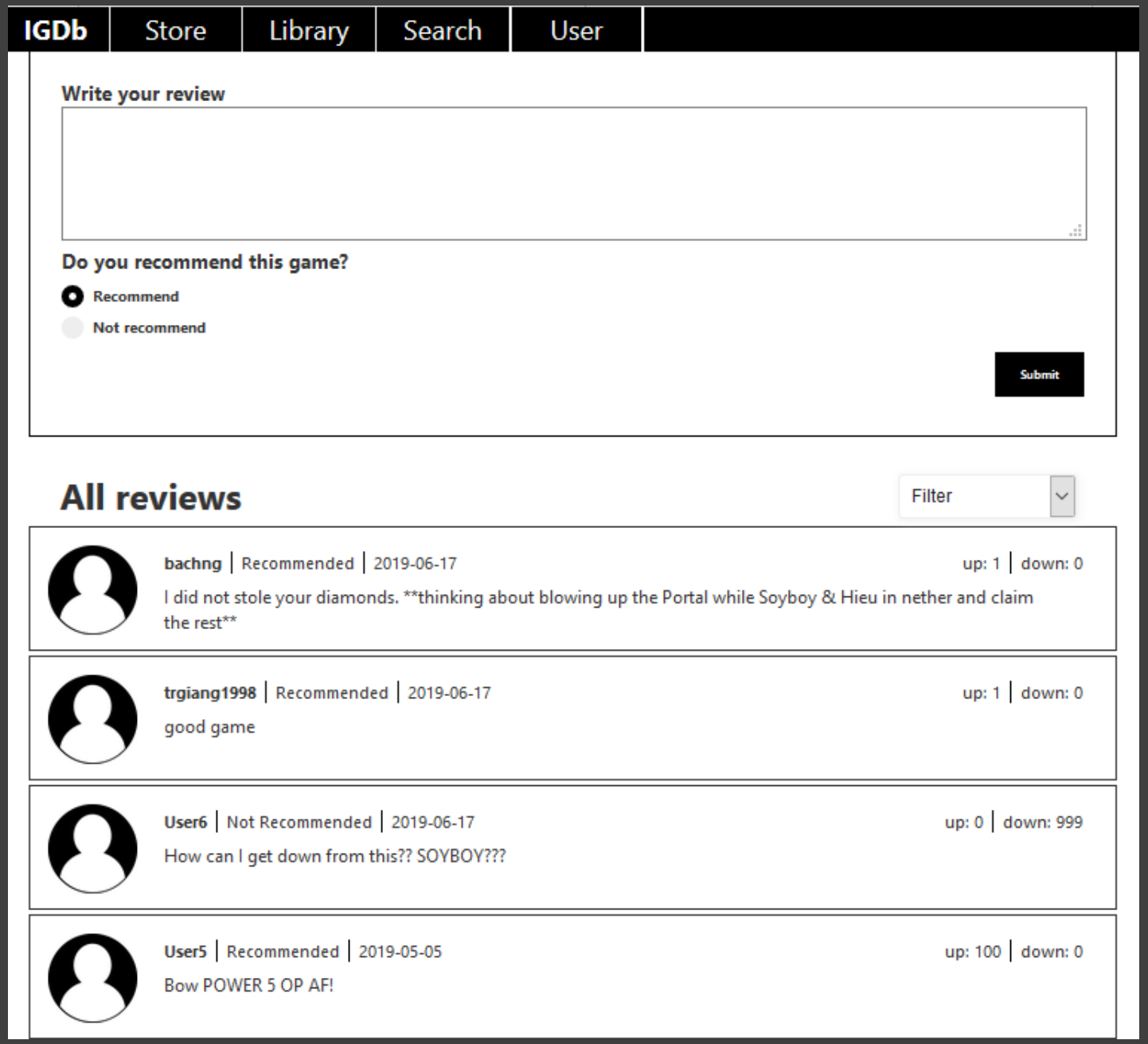
Use amazing new abilities—like the power to capture and control objects, animals, and enemies—to collect Power Moons so you can power up the Odyssey airship and save Princess Peach from Bowser's wedding plans!

Average Score:	0.0
Recommends:	0 / 0
Release date:	2017-10-27
Publisher:	Nintendo
Genre:	Platformer

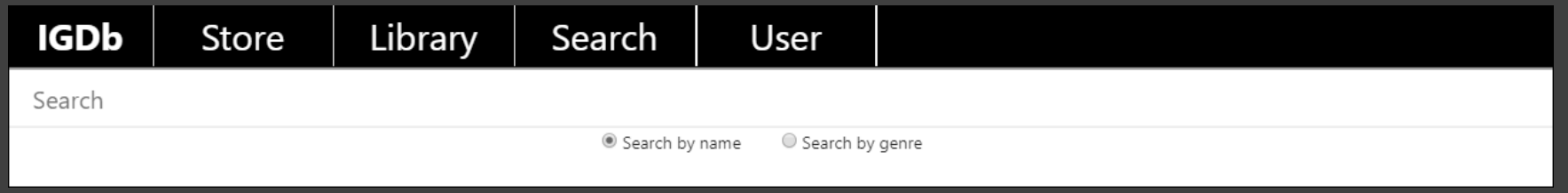
Add this game to your library

Added

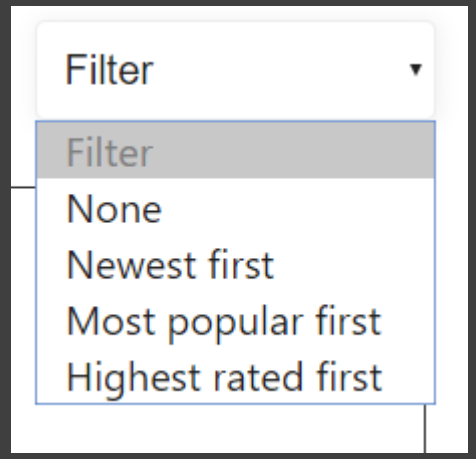
Users give review

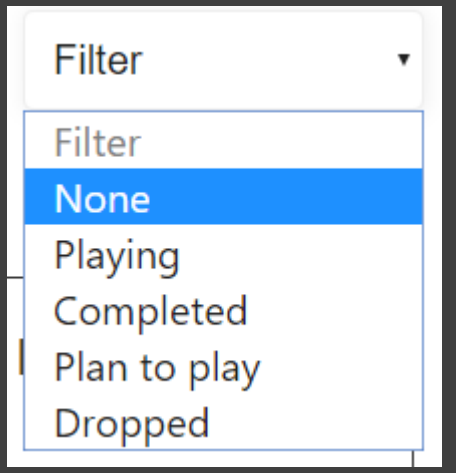


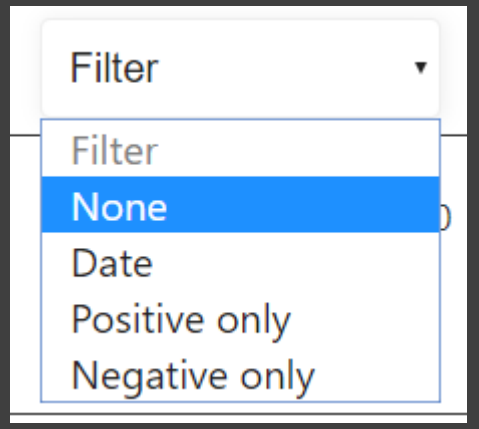
Search


IGDb
Store
Library
Search
User
Search
Search by name
Search by genre

Filter


Filter
Filter
None
Newest first
Most popular first
Highest rated first


Filter
Filter
None
Playing
Completed
Plan to play
Dropped


Filter
Filter
None
Date
Positive only
Negative only

Edit game-status

IGDb | Store | Library | Search | User

test1's library

Filter

Submit

Sid Meier's Civilization VI

Playing Completed Plan to play Dropped

Diablo 3

Playing Completed Plan to play Dropped

Overwatch

Playing Completed Plan to play Dropped

Dota 2

Playing Completed Plan to play Dropped

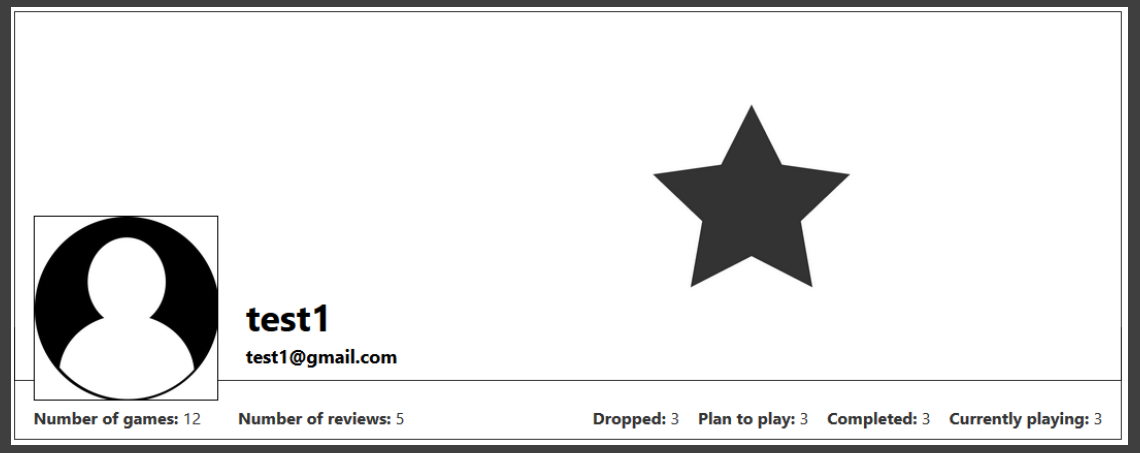
Counter Strike: Global Offensive

Playing Completed Plan to play Dropped

Divinity: Original Sin 2

Playing Completed Plan to play Dropped

User tier


test1
test1@gmail.com
Number of games: 12
Number of reviews: 5
Dropped: 3
Plan to play: 3
Completed: 3
Currently playing: 3

bachng
ngb1998@gmail.com
Number of games: 4
Number of reviews: 4
Dropped: 0
Plan to play: 4
Completed: 0
Currently playing: 0

User1
user1@gmail.com
Number of games: 0
Number of reviews: 1
Dropped: 0
Plan to play: 0
Completed: 0
Currently playing: 0

To-do

To-do

- User:
  - User can browse site without logging in
  - User can edit/delete reviews
- Admin:
  - Will have a dedicated page for admin to control the site:
    - Add / edit / remove games
    - Ban users

The end

Thanks for listening