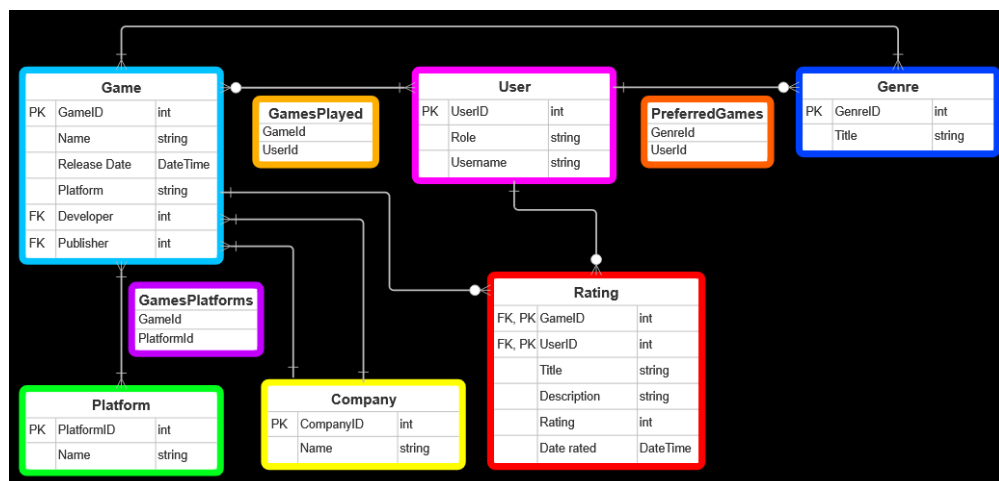


- ~~1. Library/Bookstore~~
2. Online Spreadsheets (Google Sheets adjacent)
 - a. Sheets
 - i. Implement functions
 - b. Users
 - c. Selected Cell
 - d. fly.io
3. IMDB for videogames (or something similar)
- ~~4. Space lookup database~~
- ~~5. Horror movie (jumpscare)~~
6. Some sort of game (go, balatro)
 - a. Users - auth
 - i. Win/loss
 - ii. Points/money/chips
 - b. Game (ex. Blackjack, Memory game)
 - i. Rules
 - ii.
- ~~7. Yelp or something similar with custom recipes~~

ERD

- Games
 - GameID <PK>
 - Name
 - Release Date
 - Platform
 - Developer <FK to Company>
 - Publisher <FK to Company>
- User
 - UserID <PK>
 - Role
 - Username
- GamesPlatforms
 - Gamelid <FK to Game, PK>
 - Platformid <FK to Platform, PK>
- GamesPlayed
 - UserID <FK to User, PK>
 - GameID <FK to Game, PK>
- WishList
 - UserID <FK to User, PK>
 - GameID <FK to Game, PK>
- PreferredGenres
 - GenreId <FK to Genre, PK>
 - UserId <FK to User, PK>
- Genre
 - GenreId <PK>
 - Title
- GamesGenres
 - GameID <FK to Game>
 - GenreID <FK to Genre>
- Rating
 - GameID <FK to Game, PK>
 - UserID <FK to User, PK>
 - Title
 - Description
 - Rating
 - DateTime rated
- Platform
 - PlatformID <PK>
 - Name
- Company
 - CompanyID <PK>
 - Name



User Stories

“As a [persona], I [want to], [so that].”

- As a user, I want to add my account so that I can access the database
- As a gamer, I want to add, delete or update games to my played-games list, so that I can keep track of the games that I played.
- As a gamer, I want to set my preferred genres, so I can find games that I am interested in
- As a gamer, I want to write, edit, and delete my review on games that I've played, so that I can share my opinions.
- As a gamer, I want to find games filtered by genre, platform, title, so that I can find specific games faster.
- As a gamer, I want to find the highest rated games so that I can choose a good game to play.
- As a gamer, I want to search other usernames so that I can view their list of games and ratings for each game.
- As a user I want to be able to register a new user based on a unique username so that I can login with that username and access all other functionality once logged in.

Admin Stories

- As an admin, I want to add, edit or delete a game, so that players can rate the game, and add it to their account
- As an admin, I want to add, edit or delete a genre, so that players can favorite genres and admins can add it to games
- As an admin, I want to add, edit or delete a platform, so that admins can select it when adding new game titles
- As an admin, I want to add, edit or delete a company, so that admins can add developers and publishers to new game titles

Push goal stories

- As an admin, I want to add, edit or delete a review, so that the database is moderated
- As an admin, I want to add, edit or delete a user, so that the database is moderated
- As a user, I want to recommend games to other users so that my friends can see which game is good
- As a gamer, I want to add, delete or update games to my wish list, so that I can keep track of the games that I want to play
- As a gamer, I want to add, delete or update an image to my home page, so that I can customize my user page

Current MVP Goal

A database application which admins can add, edit, or delete games, genres, platform, and company. Gamers (normal users) add, edit, and delete games to their played list, preferred genres, and game ratings.

Endpoints:

Decision to be made:

- Decide if Admins have the same roles as Gamers

Coding Conventions

- Pascal Case
- [Conventional Commits](#)
- Database Name = "SGDB"

Git commit categories:

- feat: work on new features
- fix: bug fixes
- refactor: refactoring production code (not tests, build scripts, or docs)
- style: code style fixes
- test: tests
- docs: documentation (including code documentation)
- chore: build and project config, miscellaneous

EndPoints:

Root endpoint = /api

Games:

Khoa

| | | |
|--------|-----------------|----------------------------|
| GET | /api/games | // Get all games |
| GET | /api/games/{id} | // Get a game by gameId |
| POST | /api/games | // Add a game to DB |
| PUT | /api/games/{id} | // Update a game by gameId |
| DELETE | /api/games/{id} | // Delete a game by gameId |

Users:

Kendell

| | | |
|--------|-----------------|-------------------------------|
| GET | /api/users | // Get all users |
| GET | /api/users/{id} | // Get a specific user |
| POST | /api/users | // Create/register a new user |
| PUT | /api/users/{id} | // Update a user |
| DELETE | /api/users/{id} | // Delete a user |

Ratings:

Ariel

| | | |
|--------|----------------------------|--------------------------------|
| GET | /api/ratings | // Get all ratings |
| GET | /api/ratings/game/{gameId} | // Ratings for a specific game |
| GET | /api/ratings/user/{userId} | // Ratings by a user |
| POST | /api/ratings | // Add a rating |
| PUT | /api/ratings/{id} | // Update a rating |
| DELETE | /api/ratings/{id} | // Delete a rating |

Platforms:

| | | |
|--------|---------------------|----------------------------------|
| GET | /api/platforms | // Get all platforms |
| GET | /api/platforms/{id} | // Get a specific platform by ID |
| POST | /api/platforms | // Add a new platform |
| PUT | /api/platforms/{id} | // Update an existing platform |
| DELETE | /api/platforms/{id} | // Delete a platform by ID |

Genre

| | | |
|--------|------------------|---------------------------------|
| GET | /api/genres | // Get all genres |
| POST | /api/genres | // Add genre |
| PUT | /api/genres/{id} | // Change the name of the genre |
| DELETE | /api/genres/{id} | // Remove a genre |

Wishlist:

GET /api/users/{userId}/wishlist // View user's wishlist
POST /api/users/{userId}/wishlist/{gameId} // Add game to wishlist
DELETE /api/users/{userId}/wishlist/{gameId} // Remove from wishlist

PreferredGenres:

GET /api/users/{userId}/preferred-genres // View preferred genres
POST /api/users/{userId}/preferred-genres/{genreId}
DELETE /api/users/{userId}/preferred-genres/{genreId}

GamesPlayed:

GET /api/users/{userId}/played // Get games a user has played
POST /api/users/{userId}/played/{gameId} // Mark game as played
DELETE /api/users/{userId}/played/{gameId} // Unmark

Stretch goal: Add GET endpoints with query strings, e.g., "GET /api/games/{id}?fields=name,ratings", to select which fields you want.

Swagger Link

<http://localhost:5182/swagger/index.html>

<https://wireframe.cc/>

— WireFrames —

Home Page:

Login and Register Here

Clicking login will work only if a user with that username exists.

Clicking register will work with any valid string, creating a user with that username.

Database Access page:

<https://wireframe.cc/m1Bc2O>

Top of the screen will have a nav bar, allowing you to navigate between any of the screens, currently “Login”, “Database”, and “Home”

Left side of the screen is for searching games, the filter is a drop down which will let you select a filter option and open a larger panel with specific sort/filter options such as sort by rating, or filter by genre, etc.

Right side of the screen will be the top result initially, and then will change to whichever game is selected from the search on the left side of the screen

User Page:

<https://wireframe.cc/FS5Lod>

This user page is to view all info about the user like their username, role, player games, and reviews

