# Video Game Finder

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# Mission Statement

We are developing a web api that serves as a video game search engine, building CRUD for the following tables:
- Game (Video game Content)
- GameSystem (which system can this game be played on)
- GameGenre (The game's genre)
- UserRating (the rating a user can apply to each game).

Target audience would be gamers of any experience level.  The user can search by game title, game system, genre, and user rating.

Reasoning behind our choice is that all four members of the team are video game lovers and we thought it'd be fun to build something that includes one of our favorite hobbies.


# Database


Table 1 - Game
- GameID - int // Primary Key
- Title - string
- ReleaseDate - DateTime
- PlayerCount - int
- GameSystem - string
- GameGenre - string
- IsRecommended - boolean
- ESRBRating - string
- GamePrice - decimal
- GameDescription - string
- GameGenreID - int
- GameSystemID - int

Group member assigned to this table: Greg


Table 2 - GameSystem
- SystemID - int // Primary Key
- SystemName - string
- GamesForSystem - string

- GameSystemPrice - decimal

Group member assigned to this table: Danny

Table 3 - GameGenre
- GenreID - int // Primary Key
- GenreType - string
- IsNew - boolean
- IsMultiplayer - boolean

Group member assigned to this table: Kraegan

Table 4 - UserRating
- UserID - int // Primary Key
- UserRating - int
- GameTitle - string
- GameID - int // Foreign Key
- IsRecommended - boolean

Group member assigned to this table: Charles

## Diagram
- https://docs.google.com/spreadsheets/d/11S0XnysUMjEeIImNsa3yOtMunQRH_M3OutHNk1c9dG8/edit?usp=sharing

## Features

| Version 1.0 / MVP | Version 2.0 / Stretch Goals |
|---|---|
| <ul><li>Enter a New Game and System</li><li>Enter a New Genre and Rating</li><li>View Games, Systems</li><li>View Genres and Ratings</li><li>Delete Games, Systems, Genres, Ratings</li></ul> | <ul><li>Leave a Review on Game or System (If User Owns)</li><li>Take Average Rating and set recommendation</li><li>UserUI</li><li>Personal Library for user</li><li>Friends List</li></ul> |

| | |
|---|---|
| ● Update Games, Systems, Genres, Ratings | ● Ability to view Friends Game Library<br>● Top Rated List<br>● Game / Development News section |

## Endpoints

What endpoints for each table are required to achieve the functionality that you need?

- Post Games, Systems, Genres, Ratings
- View Games, Systems, Genres, Ratings
- Update Games, Systems, Genres, Ratings
- Delete Games, Systems, Genres, Ratings

## Trello Link

- https://trello.com/invite/b/3Xxz9UU2/5e94dd5472315cf5134fa0c6fdf77530/vgfinderapi

## Schedule

| May 11th | May 12th | May 13th | May 14th | May 15th | May 16th | May 17th |
|---|---|---|---|---|---|---|
| Prep Planning Doc | Prep Planning Doc | Review Planning Doc w/ LA | Solo Work Days | GitMaster & VS Set Up<br>--<br>Set up Layers<br>--<br>Begin coding | Solo Work Days | Solo Work Days |
| May 18th | May 19th | May 20th | May 21st | May 22nd | May 23rd | May 24th |

| | | | | | | |
|---|---|---|---|---|---|---|
| Full team catch up & Group QC -- Cont work on API | Solo Work Days | Full team catch up & Group QC -- Cont work on API -- Testing | Solo Work Days | Potential Group work day | Potential Group work day | Solo Work Days |
| May 25th | May 26th | May 27th | May 28th | May 29th | May 30th | May 31st |
| Full team catch up & Group QC -- Cont work on API -- Testing | Solo Work Days | Full team catch up & Group QC -- Cont work on API -- Testing | Solo Work Days | Potential Group work day -- Testing & Debugging | Potential Group work day -- Testing & Debugging | Solo Work Days |
| June 1st | June 2nd | June 3rd | June 4th | June 5th | June 6th | June 7th |
| Full team catch up & Group QC -- Cont work on API -- Testing | Solo Work Days | Full team catch up & Group QC -- Cont work on API -- Testing | Solo Work Days | Testing & Debugging | Testing & Debugging | Submit Assignment |

## Final Notes

Great job with planning! You are now set to start coding. Planning a project is incredibly beneficial to the success of your team and your project. Here are some resources to help you with your planning.

- How to plan a web application
- Step By Step: Planning a web application