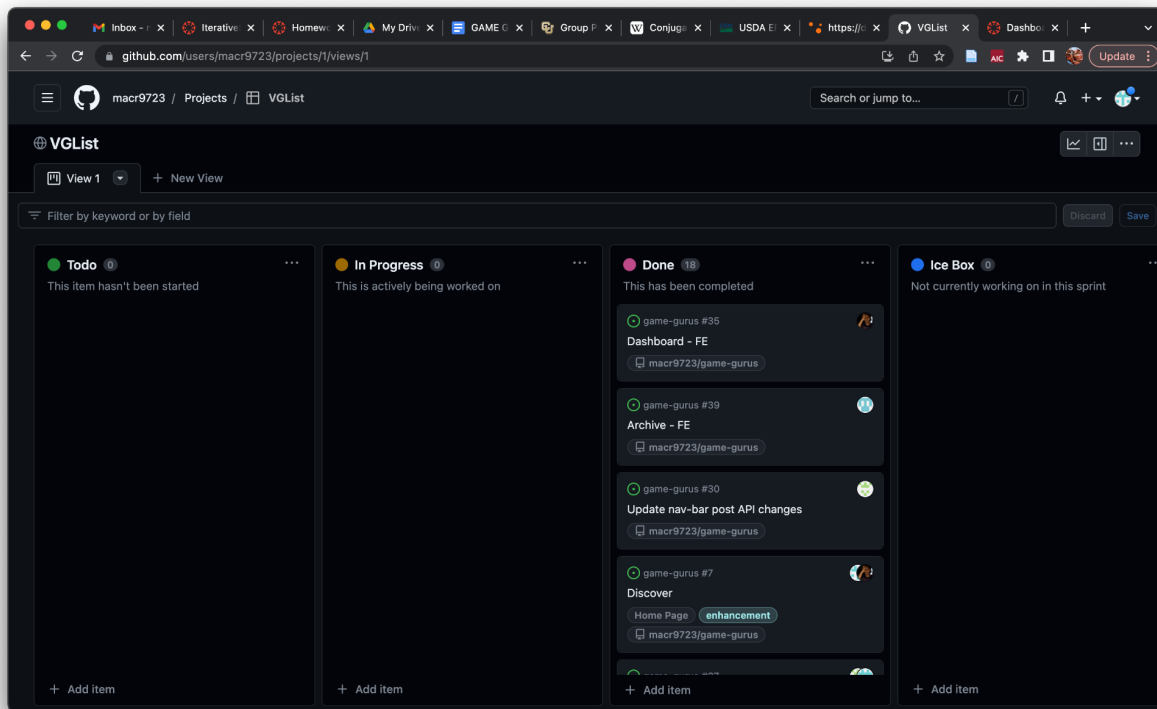**Title of our Project:** Game Gurus

Members: Max White, Jared Dutton, Alakh Naik, Macy Crow, Tony Weigand

Project Description:

Game Gurus is a video game forum that keeps users in the loop on all things video game related. The user logs into their personal account and is taken to the home page, which acts as a collection space where the most popular as well as newest games are displayed. There are also preview videos of gameplay from selected games that are popular. Every game in our database has its own gamepage which provides more information about the game such as, game description, key descriptors, top reviews, and even screenshots of active gameplay.

Not seeing what you're looking for? Users are able to use the search bar to browse their favorite games and are also able to post their personal ratings and reviews to respective gamepages. By posting a review and rating, the user adds the game to their personal dashboard where they can access all the games they have previously interacted with. A separate page labeled 'archive' hosts a larger volume of video games organized by genre where the user can explore games they might be interested in. By selecting a different 'genre' and/or 'theme' buttons, different video games will be displayed to the user based on their selections.

Project Tracker - GitHub Project Board: [Here](#)

Video Demo: [Here](#)

VCS: [Here](#)

Contributions:

Alakh Naik: Helped out with the front end for game-page and discover. Worked on most of the styling for the website. Worked on the backend with Max and helped Macy with the archive backend. Also, helped the team understand the api that we would be using as well as helped relay to the rest of the group how it functioned. He also took care of the testing program from lab 11.

Max White: Everything api and front end and back end. Max took care of finding an API to use for all the respective pages (discover/home page, game page, dashboard, archive). This included testing various queries and formulating the endpoints in the
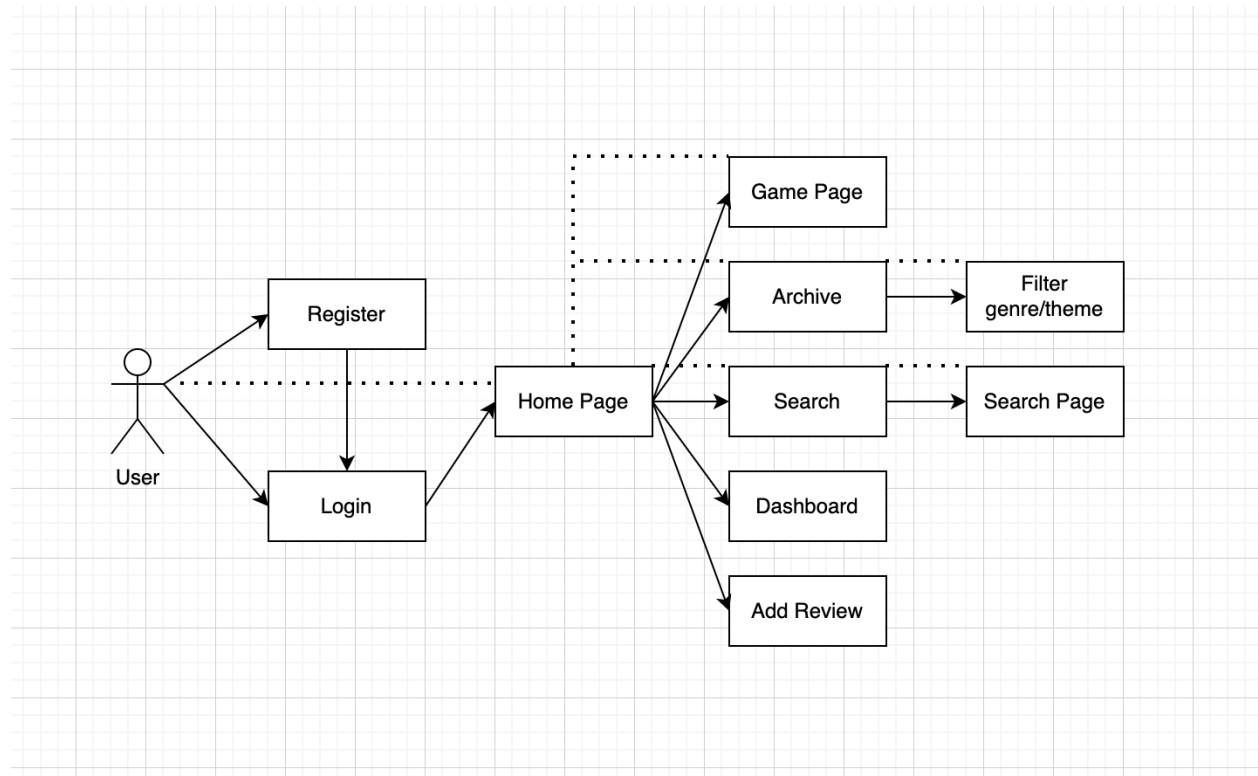
index file that would be referenced on the front end. Max was also responsible for handling the 'search' functionality on the application.

Jared Dutton: Worked on frontend to backend with a focus on the backend. Major contributions include the database structure in SQL, helping develop the backend endpoint for adding a game to a user's library, and adding a way for users to click on different users' names on reviews on the gamepage so that they can view a different user's library. Also modularized the modal so that a user can add games from multiple pages including gamepage, archive, and discover.

Tony Weigand: Tony worked on Dashboard frontend and backend, some SQL, implemented the logo that Macy designed, login backend and frontend, helped manage project board/assign tasks, and took weekly meeting notes, as well as contributed to setting up test files.

Macy Crow: Macy completed the register backend of the code and created base sql structures for testing throughout the project. They also helped with the style and function of the front end of the dashboard as well as the design of the logo that is used on the website. They created the review query and worked with Alakh to create the reviews front end as well as modify the backend of gamepage for the reviews to be called from. They also created the keywords call and figured out how those calls would be made from the api and helped with creating the edge cases code with Alakh. Lastly, they tested the website with the other members throughout the creation process to find bugs and inconsistencies in the web design.

Use Case Diagram:

Test results:

(Automated Test Results)

We had primarily two automated test cases to check if a new user can register correctly and login.

Login - The test case checks if a username or password entered is correct. If the username does not match, it returns a 401 status code. It did that successfully and checked if a username was wrong then sent the error message.

Register - The test case checks if a user exists with the same name and returns an error if it does. The successful test case registered a new user, and the negative test case checked for a user with the same username and returned a 401 status page.

(UAT)

Feature 1 : Search

Test Cases

- Should pull up specific games related to user input

- Partial or incomplete searches should pull up best matching results

- If user puts in a search that pulls up nothing it should let them know that nothing was found

Results - When you search in the search bar for a game, it redirects to another page with the best results. It references the search results api from igdb and displays the first 25 results. If there are no search results, the page leaves an empty row for search results.

Feature 2: Add Game to library

User should add a game with following input information

- rating

- comments

Results - User can click on the plus icon on every game card to add a game. It adds a game from the Discover, Archive, Search and Game-Page Pages. It pulls up a modal successfully and lets you add a rating and review for the game before adding it to your list on dashboard.

Feature 3: Updating a Review

Test Cases

- Select a game that the user has already posted a review on and post another reivew with different information

Results - To update a previous review you had for a game, you click on the plus icon for the game again and add a new review. This review will update on your dashboard, so when a user is actually looking at your Dashboard, he can see your latest reviews and ratings of games successfully.

Deployment:

http://recitation-11-team-05.eastus.cloudapp.azure.com:3000