Revised List of Features (In order of priority)

1) **Home Page Features**
- User Info dropdown (Standard across all pages except sign-up page)
  - If signed in-> option to view profile or logout
  - If guest-> option to Sign-up or Sign-in
- Log in/Site Welcome Pop-up or modal
  - A pop-up on the main page that prompts for login information. Can choose between logging into an account, continuing as a guest, or signing up for an account. You can login directly from the popup, pressing sign-up will redirect the user to a separate page. Popup only appears if the user has no profile already.
- Game section
  - Displays the top 3 most popular titles at the time
  - Displays all games underneath the popular ones
- Bottom banner
  - About us and Contact us Buttons
    - Information about the creators of Nostalgia Games
    - Option to send us an email
  - Feedback
    - Can report bugs, give feedback, suggest modifications. All feedback will be sent to a company email address
    - Appears as a popup
    - Can choose a specific subject/tag (feedback, bugs)
- Advertisement area
- Searchbar
  - Allows the user to search up the title of a game. As you search the title, a drop down appears with games that match the search results.
- Friend list
  - Lists out your friends
  - Shows which one of your friends are online
  - Option to add a new one

2) **Sign up Page Features**
- Sign up/Register page
  - Basic form layout asking for user information including:
    - Name (First and last)
    - Username
    - Email
    - Password
    - Confirm Password
    - Are you a robot?
    - Submit button

- ○ 'Continue as Guest' button that redirects to the home page and creates a temporary guest profile
- ○ A "Account Successfully Made" popup with a link to the home page
- A separate sign-in form on the left side
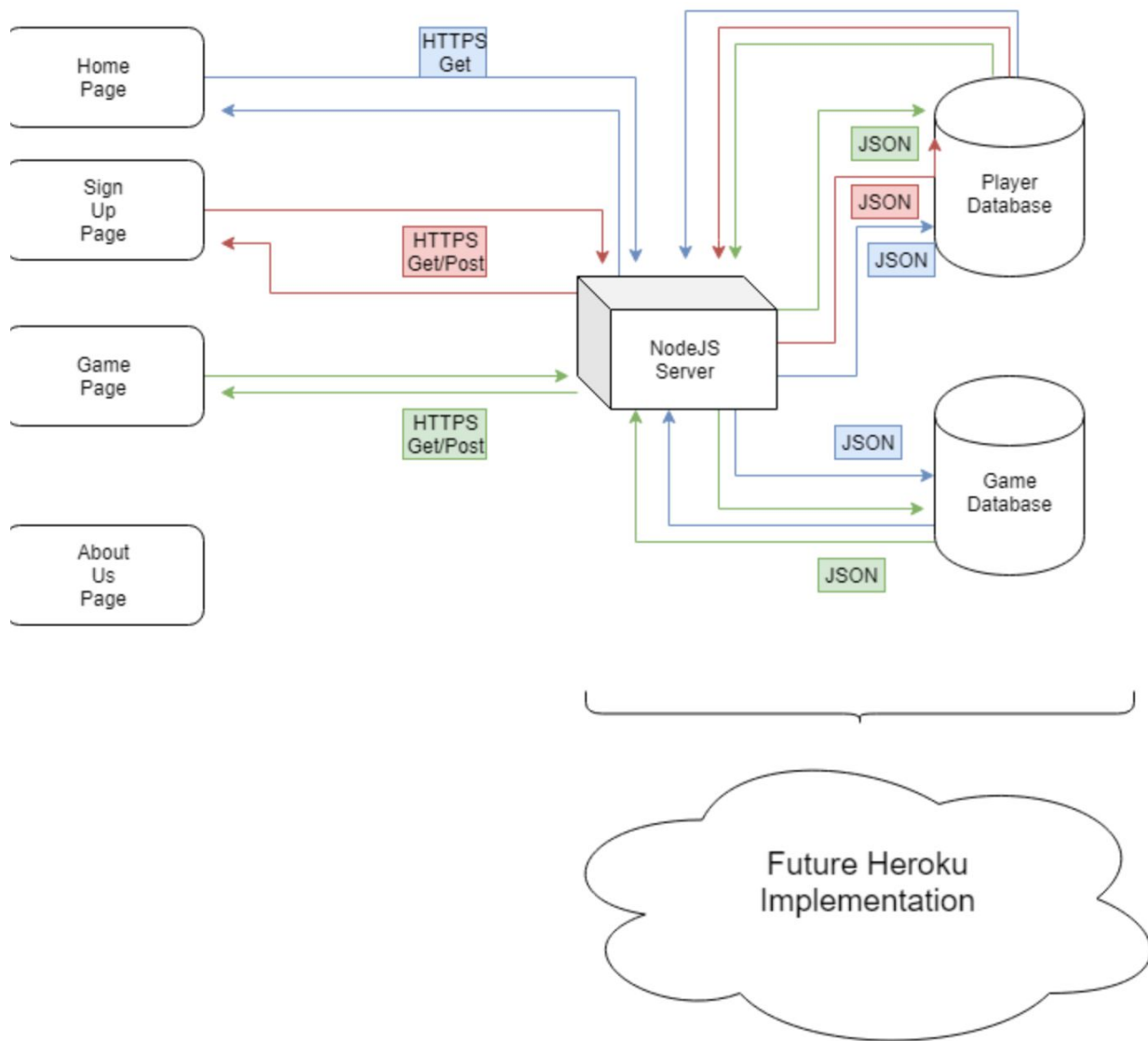 - ○ Fields for username and password, submit button

3) Game Page Features (in order of priority)
- Top Banner
  - ○ Logo that acts as a home page redirect
  - ○ Search bar
  - ○ User info dropdown (same dropdown as seen on home page)
- Rating/Comment bar
  - ○ Where the user can vote on a game and choose to leave a review
  - ○ Grayed out for guest users, has a hovering speech bubble indicating they need to sign in to leave a review/comment
- Comment Section
  - ○ Lists all reviews given for the game with username and timestamp. Sorted chronologically.
- Information Box
  - ○ Basic controls for the game
  - ○ Release date
  - ○ Game popularity (Thumbs up/Thumbs down)
- Description
  - ○ Title of the game and description of the game
- Bottom Banner
  - ○ Same three button system from before (About us, Contact us, Feedback)
- Game Box
  - ○ The window where the user plays the game
  - ○ Play button that initiates the code of the game
    - ■ A static image behind the button
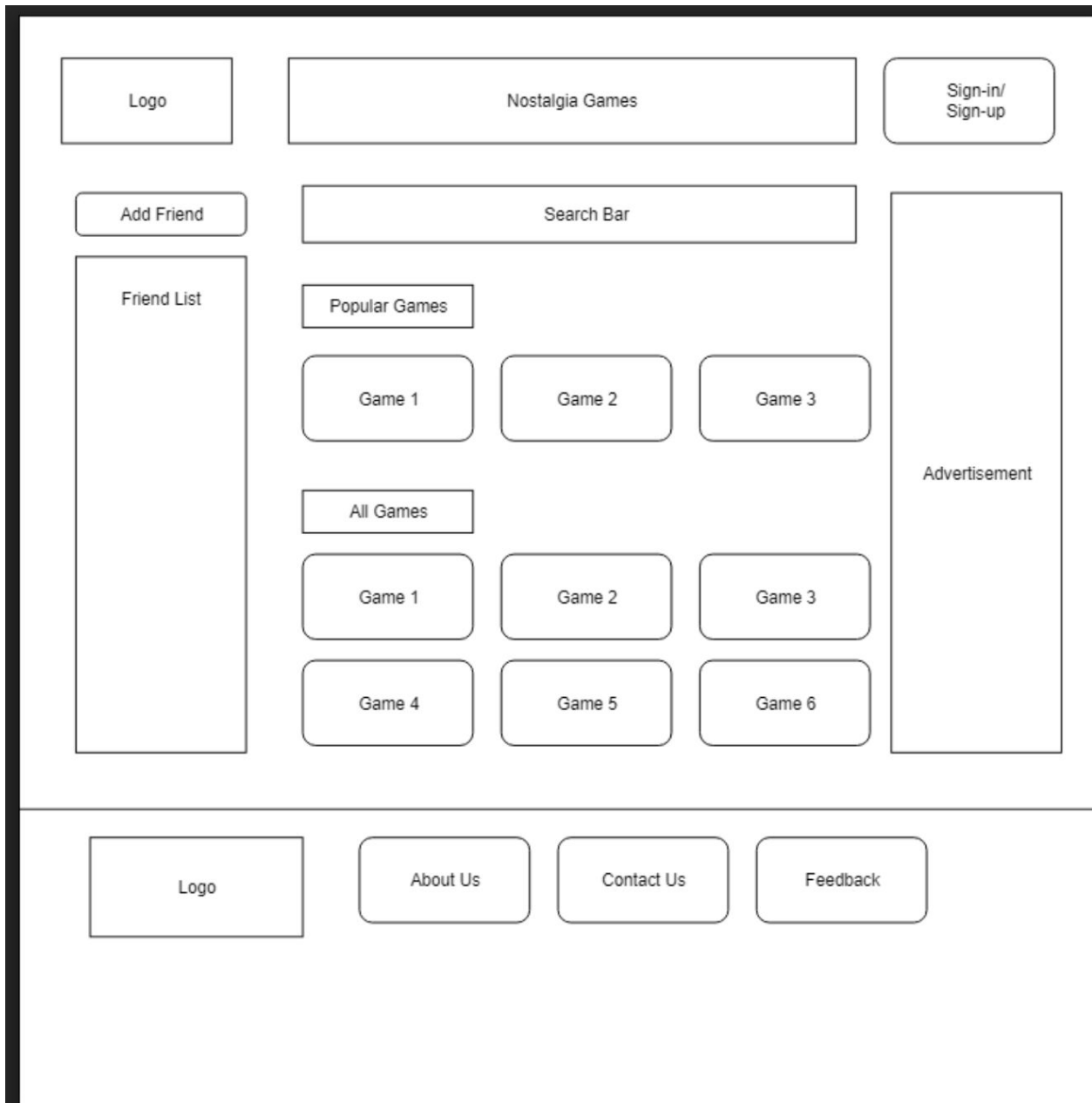
4) About Us Page Features
- A short description about the founders of Nostalgia Games with our vision statement
- Standard top and bottom banner are incorporated

Architecture Diagram

Front End Design

1) Home page

| Logo | Nostalgia Games | Sign-in/ Sign-up |

Add Friend

Search Bar

Friend List

Popular Games

| Game 1 | Game 2 | Game 3 |

Advertisement

All Games

| Game 1 | Game 2 | Game 3 |
| Game 4 | Game 5 | Game 6 |

| Logo | About Us | Contact Us | Feedback |

2) Sign-Up/Sign-In Page

Logo

Nostalgia Games

Login

Sign-Up

username

First Name

Password

Last Name

Submit

Username

Email

Password

Confirm Password

Are you a Robot?   ○ Yes   ○ No

Submit

Continue As Guest

Logo

About Us

Contact Us

Feedback

3) Game Page

Web Service Design

We are not currently planning on using any web services.

Back-End Design

PostgreSQL

Player Database

Username	VARCHAR(50)
First	VARCHAR(50)
Last	VARCHAR(50)
PlayerID	INT
Email	CITEXT UNIQUE
Password	VARCHAR(50)
Friends	INT[]
Games	STRING, INT[]
High Scores	STRING, INT[]

Game Database

ID	INT
Name	VARCHAR[]
Number of Likes	INT
Number of Dislikes	INT
High Scores	INT ARRAY
Comments	VARCHAR ARRAY