## **Arcade Feature Tour**

This serves as a guide on all the features currently supported by Arcade and provides instructions on any set up needed for each feature. This guide is written from a user standpoint. Set up instructions for developers can be found in the Github repository under /documentation/Arcade Development Guide.pdf

### **Overview**

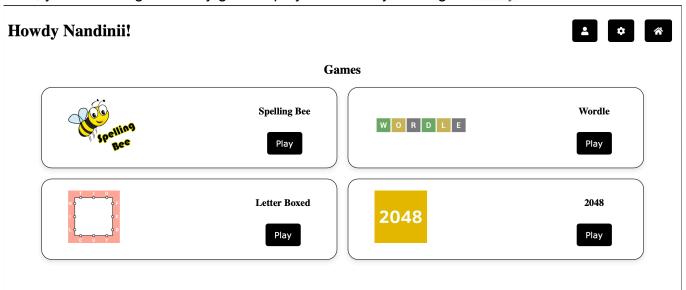
Arcade is a web application best suited for PC browsers and allows users to play games. The application allows for interaction as a guest and also facilitates account creation through SSO to save progress and gaming history.

Arcade supports SSO based account creation through **Google**, **GitHub** and **Spotify**. Creating an account with Spotify will allow you to play music within the application as you play any game. Currently, Arcade hosts 4 games:

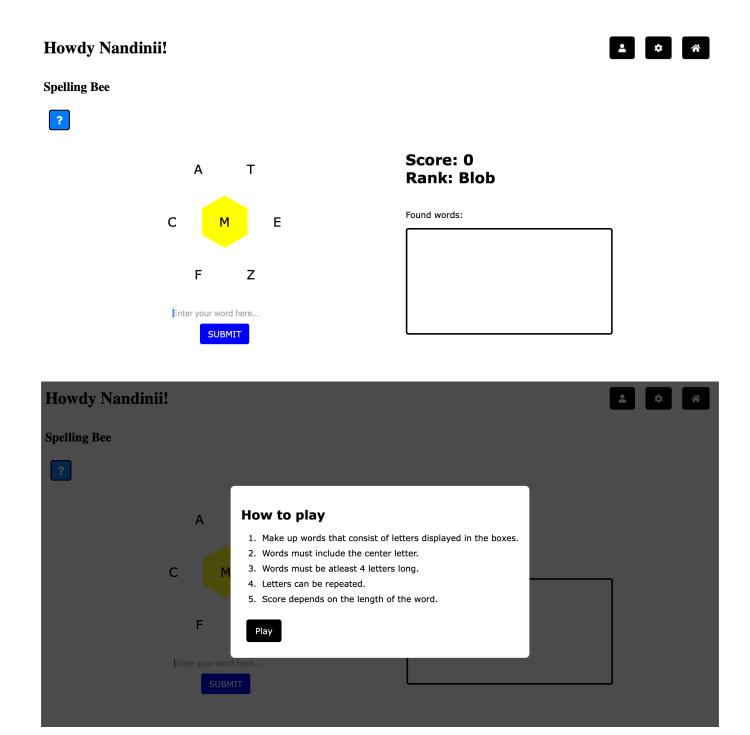
- 1. Spelling Bee
- 2. Wordle
- 3. Letter Boxed
- 4.2048

## Playing a game

Logging into the application loads the landing page and displays all the supported games. From here, you can navigate to any game's play interface by clicking the Play button.

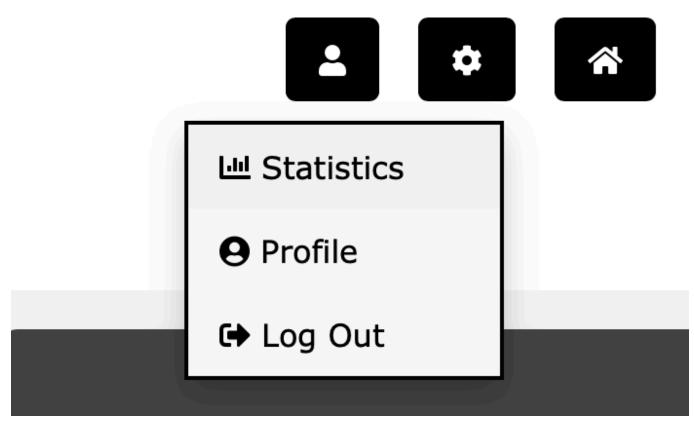


Each game has a button marked with a question mark under the game's name with instructions on how to play the game:

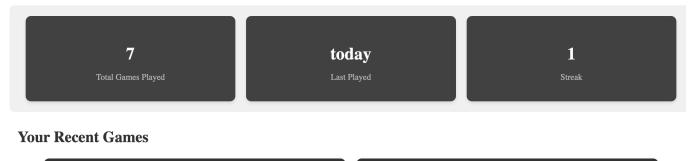


# **User statistics**

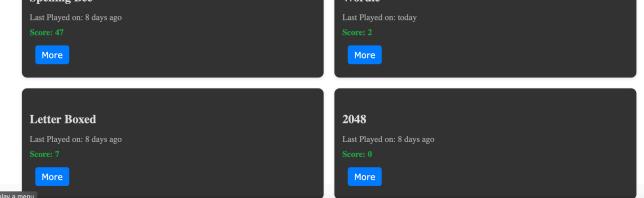
You can navigate to your statistics dashboard from the top navigation bar through My Account > Statistics:



The statistics dashboard allows you to see various metrics of your gaming history and allows you to click into any game to see a game specific play history:

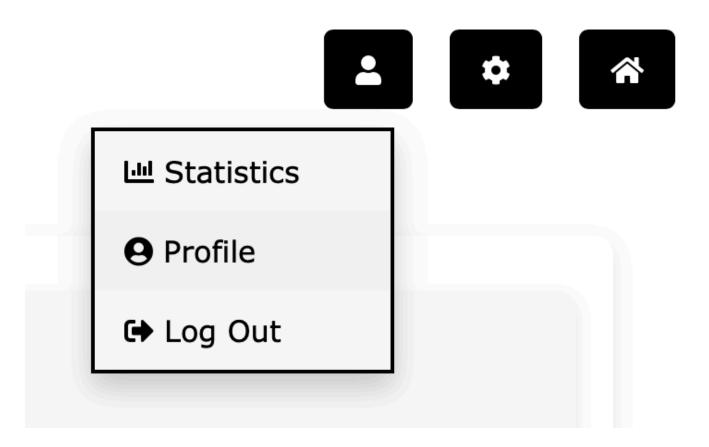






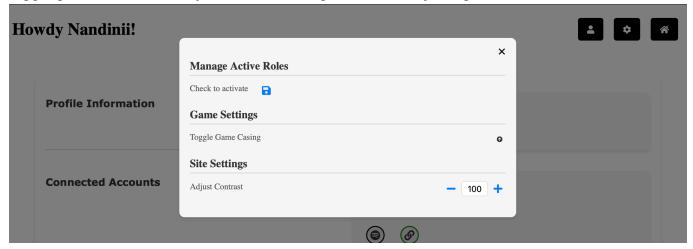
**Updating your profile** 

You can make changes to your profile such as editing your name and linking or unlinking other supported SSO identities by navigating to My Account > Profile:



# Supported platform customizations

Clicking into the gear icon in the top navigation bar allows you to customize your website experience by switching between roles your user has assigned (covered late in the guide), toggling the case sensitivity on the different games, and adjusting the screen contrast.



# **Role Management**

Arcade supports 4 different roles that can be assigned to users:

#### 1. Member

- assigned to every user by default on account creation
- allows the user to play games and manage their profile details.

#### 2. Puzzle Aesthetician

- assigned to a user by the System Admin
- assigned on a per game basis
- allows the user to modify the aesthetics of the given game

#### 3. Puzzle Setter

- assigned to a user by the System Admin
- assigned on a per game basis
- allows the user to make or modify the game for any given day e.g for wordle, a puzzle setter can configure which game will be the correct solution for any given day.

#### 4. System Admin

- can only be assigned by either another System Admin user, or by directly seeding the database for the initial System Admin user to be configured.
- has the permissions to upgrade or downgrade any other users roles.

#### To assign an initial System Admin user:

- 1. Open up the seeds.rb file under csce600-arcade/db/seeds.rb
- 2. Find the users variable assignment in the file and add a row with the desired user's details in a similar format to the existing rows.
- 3. Save the file and seed the database by running the command rails db:seed.
- 4. Logging into Arcade with the assigned user's email should now reveal the System Admin interface

# The System Admin Interface

Logging in as a System Admin should now reveal a new purple button in the top navigation bar:

#### Howdy Nandinii!

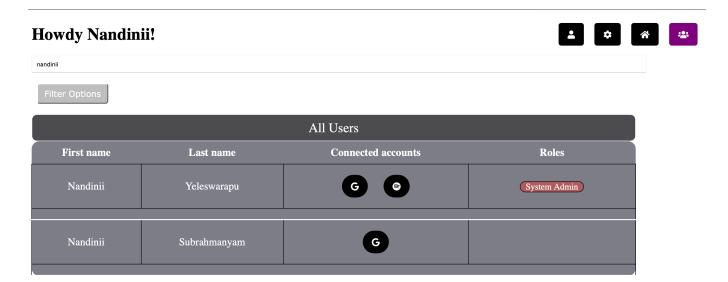






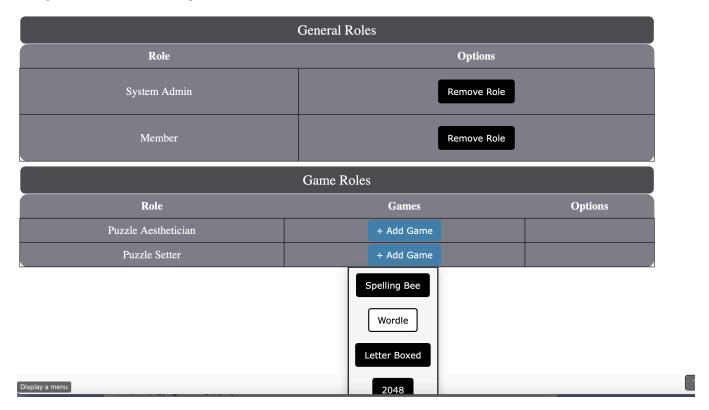


Clicking into the All Users purple button in the top navigation bar allows the user to see all currently registered users along with their connected account and assigned roles:

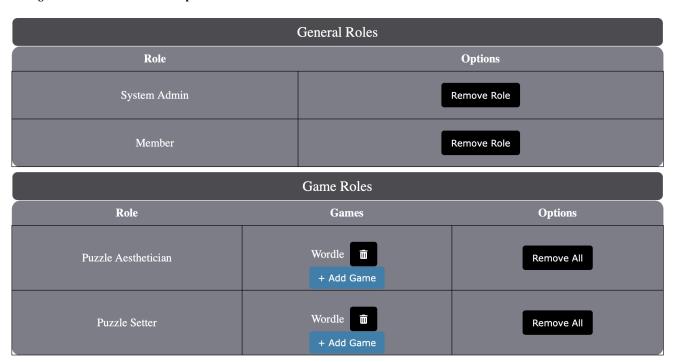


Clicking into the Roles cell for any row allows the System Admin to upgrade or downgrade the roles:

Manage Roles for 'Nandinii Yeleswarapu'

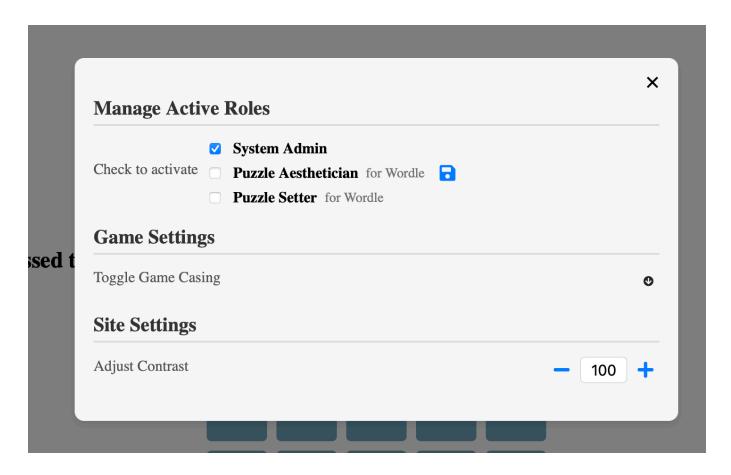


Manage Roles for 'Nandinii Yeleswarapu'



# **Activating Roles**

Once a System Admin assigns any user new roles, the user the activate roles to be used in their session by clicking into the gear icon in the top navigating bar:



# **Puzzle Aesthetician Interface**

Once a System Admin assigns a user the Puzzle Aesthetician role for a game and the user logs into their account and activates the Puzzle Aesthetician Role, they can now navigate to the game for which they are an Aesthetician and interact with the interface:



#### Wordle

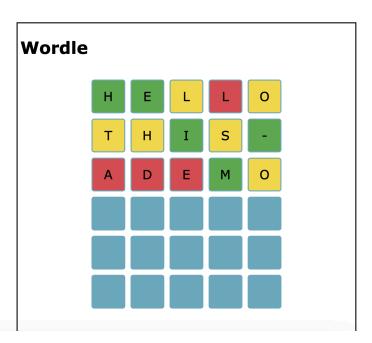


Congratulations! You guessed the correct word!

Howdy Nandinii!

#### **Edit Aesthetic**





# **Puzzle Setter Interface**

Once a System Admin assigns a user the Puzzle Setter role for a game and the user logs into their account and activates the Puzzle Setter Role, they can now navigate to the game for which they are a Setter and interact with the interface:

## Howdy Nandinii!









### Wordle



Congratulations! You guessed the correct word!

## **Howdy Nandinii!**









Play date ▲ ▼	Word ▲ ▼
2024-11-24	pesto
2024-11-22	ethic
2024-11-18	rally
2024-11-16	vouch
2024-11-15	whole







## **Note:** Puzzle Aestheticians and Puzzle Setters

Screenshots pasted above are specific to the Wordle game and the interfaces will vary for each game depending on the nature of the game.