

ROLL



CALL

The Idea

Dungeons and Dragons is a tabletop RPG that has experienced a resurgence in popularity over the past few years. However, it can be intimidating to get into for newcomers, with so many different mechanics to remember for creating a starter character. For veteran players, keeping track of characters can be cumbersome as well.

Roll Call is a website that solves these problems by providing an easy way to create, store, and view characters. With the hard work of character creation taken away, players can jump right in and start playing!

Type of Application

Online website repository for characters.

Key Functions

A user will be able to:

- View a gallery of user-created characters
- Create an account with a username, password, and email
- Log in to view private characters
- Create a character using the character builder
- Customize the character with pictures and backstory
- Generate and print out a character sheet
- Level up characters and add features by adding/updating experience

Key Feature Decisions

- People new to D&D can easily build their own character using suggestions on optimal builds.
- People playing multiple campaigns can organize and keep track of multiple characters.
- People who just want to play without creating a character can choose from pre-created builds.

Challenges

- Translating the mechanics into models will be difficult.
- Must create a logical character builder that flows nicely.

- Writing character models to a PDF file of a character sheet.

Technical Understanding

- Full CRUD capability on REST architecture
- SQL backend with MariaDB, JSON for data persistence
- Angular front end, custom CSS animations (reach goal)
- Models: User, Character, Race, Class, etc.
- Pages: Home, Gallery, Account Creation, Character Builder, Character List, etc.