

Xavier Warner, Dhruv Rana, Jared Kruegel, Stavros Kokkinos.

Professor Herbert Berger

CSIT355_02FA23

27 November 2023

Database and Dragons

Team Database and Dragons consist of 4 members and our goal is to provide a course registration site for Dungeons and Dragons 5 edition for ages 10 and plus. Our company is a local tabletop game store called, “The Dragons Dungeon”. The company usually finds clients by members visiting the tabletop store in person regularly. The company executive asked for Team Database and Dragons to help because he realized that many people joining their annual DND parties were people who were new to DND 5 edition, wanting many people to learn about DND and attract customers for the company. At first, this wasn't an issue but since the parties are only 2 hours and are only on Thursday through Sunday they can't explain everything about DND 5 edition since the parties' main purpose is to play the game itself. This is where our team comes in. We will be providing the owner a site for people of ages 10 and plus to sign up for online courses to get a better understanding of the DND 5 edition. The courses that we provide are shown below.

- Learning the Basics
- Abilities and Skills
- Combat Basics
- Actions in Combat
- Barbarian Class Guide
- Bard Class Guide

- Cleric Class Guide
- Druid Class Guide
- Fighter Class Guide
- Monk Class Guide
- Paladin Class Guide
- Ranger Class Guide
- Rogue Class Guide
- Sorcerer Class Guide
- Warlock Class Guide
- Wizard Class Guide
- Artificer Class Guide
- Blood Hunter Class Guide
- Intro to Subclasses
- Dungeon Master Class

Through the classes that we provide, we expect the customers to be people of ages 10 and plus who are interested in learning about the world and tactics of DND 5 edition. The expectation that we think that our customers would want to have is an easy and simple way to sign up for courses, a simple understanding of the DND world and tactics, and since it is we offer online courses it should be easy for customers to attend courses all over the world.

For our program, there will be four user groups with different privileges on what they can do. These four user groups are admin, employee, students, and parent. Below are the privileges that each user group is allowed to have.

Admin

- Create a course
- Create an employee
- Create a new student(new client)

Employee

- Record Registration for the course per offering
- Confirm completion of the course and conferment of credits

Student

- Register for a course
- See the courses they are registered for
- Provide feedback about a course
- Display courses and credits that have been completed and are in progress.

Parent

- If the student is under age(Below 18) then the parent is the one who has these privileges for the child(student)
 - Register for a course
 - See the courses they are registered for
 - Display courses and credits that have been completed and are in progress.

The basic plan of implementation is founded by four members. These four members are Xavier Warner, Dhruv Rana, Jared Kruegel, and Stavros Kokkinos. Even though we will have separate parts to focus on for this project, all of the group members must work on coding and creating the data model. Below are the separate parts for each group member.

- Xavier Warner
 - Course Content
 - Content Accuracy
- Dhruv Rana
 - User Access and Privileges
 - User interaction
- Stavros Kokkinos
 - Relationships
 - Back-end support
- Jared Kruegel
 - Course Credits
 - User Interface

We plan on using the client profiles to source much of the data from the users directly based on what the clients input when registering for the database using an embedded form. The information that we take from the registration form are :

Name, Address, Age, How they hope to apply their credits, General demographics and descriptions, Courses, as well as if they have feedback on what they think should be added to the courses they've taken.

Our sources:

- D&D wiki: <http://dnd5e.wikidot.com/>
- PHP Manual: <https://www.php.net/manual/en/index.php>