The **User** entity contains the login information of every user on our platform. The Username of the user is unique, self-created, and serves as their display name when posting reviews. We primarily need to know the <u>Username</u> in order to uniquely identify each user. In addition, users need a NetID to ensure that the user attends the school. However, users who don't have a NetID can still access the content as a guest. These guests will be assigned a unique, randomly generated username (which serves as a temporary username until the user connects their account with their NetID) and will have an IsGuest attribute of True.

A **User** (student) is **Enrolled** in any number of **Instructors** courses, and an **Instructor** has any number of **Users** (students) **Enrolled** in their courses.

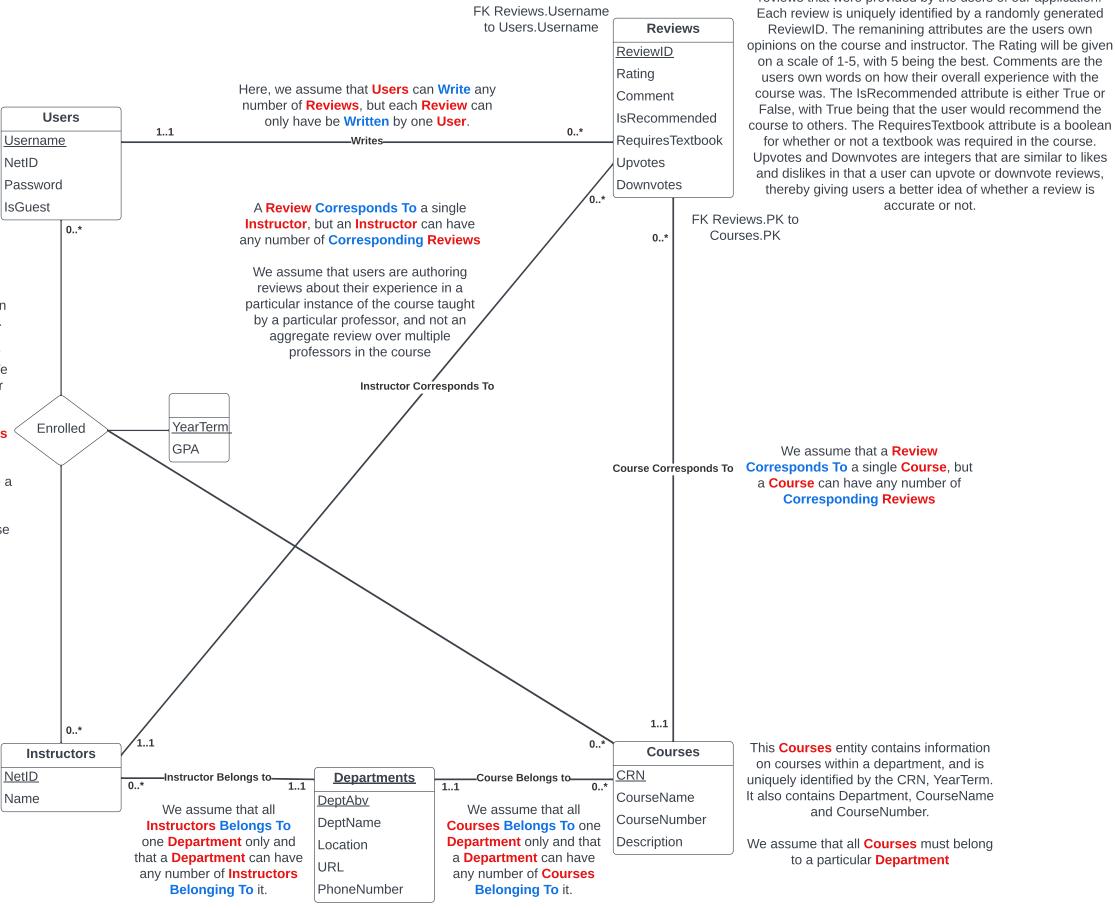
An **Instructor** teaches any number of **Enrolled Courses** and a particular instance of a course can have multiple **Instructors Enrolled** to teach it. We also assume that courses might share the same CRN and same semester but not the same instructor.

A User (student) can be Enrolled in any number of Courses, and Courses can have any number of Students Enrolled in them.

We assume that a **User** (student) **Enrolled** in a particular course will obtain a GPA in that particular **Course**.

We assume that YearTerm is the year and term the student/instructor/course combinations are associated with. This helps uniquely idenitify similar combinations that may occur as a result of a student retaking a course, a course changing its CRN, and other factors

> The **Instructors** entity contains information on the instructor. Specifically, the NetID for unique identification purposes, the name of the instructor, and the DeptName of the **Department** that they belong to



This Courses entity contains information on courses within a department, and is uniquely identified by the CRN, YearTerm. It also contains Department, CourseName

and CourseNumber.

We assume that a **Review**

a Course can have any number of

Corresponding Reviews

The **Review** entity has a cardinality of 11 and contains all the reviews that were provided by the users of our application.

Each review is uniquely identified by a randomly generated

ReviewID. The remanining attributes are the users own

on a scale of 1-5, with 5 being the best. Comments are the

users own words on how their overall experience with the

course was. The IsRecommended attribute is either True or

False, with True being that the user would recommend the

for whether or not a textbook was required in the course.

and dislikes in that a user can upvote or downvote reviews,

thereby giving users a better idea of whether a review is

accurate or not.

We assume that all **Courses** must belong to a particular **Department**

The **Departments** entity contains DeptName as the unique identifier (CS, ACES, etc.). It provides descriptive information about the department such as their location, the URL to their department page, and their phone number.