to Users.Username Reviews The **Review** entity has a cardinality of 11 and contains all the reviews that were ReviewID provided by the users of our application. Each review is uniquely identified by a randomly generated ReviewID. The remanining attributes are the users own opinions Rating on the course and instructor. The Rating will be given on a scale of 1-5, with 5 being Here, we assume that **Users** can **Write** any Comment the best. Comments are the users own words on how their overall experience with The **User** entity contains the login information of every user on our number of **Reviews**, but each **Review** can Users IsRecommended the course was. The IsRecommended attribute is either True or False, with True platform. The Username of the user is unique, self-created, and serves only have be Written by one User. 0..\* 1..1 being that the user would recommend the course to others. The RequiresTextbook as their display name when posting reviews. We primarily need to know RequiresTextbook Username attribute is a boolean for whether or not a textbook was required in the course. the Username in order to uniquely identify each user. In addition, users NetID Upvotes Upvotes and Downvotes are integers that are similar to likes and dislikes in that a need a NetID to ensure that the user attends the school. However, users user can upvote or downvote reviews, thereby giving users a better idea of whether a Downvotes Password who don't have a NetID yet can still access the content as a quest. These review is accurate or not. guests will be assigned a unique, randomly generated GuestID (which 0... IsGuest A **Review Corresponds To** a single FK Reviews.PK to serves as a temporary NetID until the user inputs an actual NetID) and **Instructor**, but an **Instructor** can have Courses.PK will have an IsGuest attribute of True. 0..\* 0...\* any number of **Corresponding Reviews** Here we assume that users are authoring reviews about their experience in a particular instance of the course taught by a particular professor, and not/ an aggregate review over multiple professors in the course Corresponds To A Review Corresponds To a single A **User** (student) is **Taught** by any number of instructors. Enrolled Course, but a Course can have any and an Instructor Teaches any number of Users **YearTerm** number of Corresponding Reviews (students). Corresponds To GPA Teaches We assume that users are submitting We assume that an **Instructor** can teach any number of reviews about a single course. **Courses** and a particular instance of a course for a particular semester is taught by only one **Instructor**. 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. 1..1 We assume that a **User** (student) **Enrolled** in a particular course will 0.., obtain a GPA in that particular Course. Instructors Courses The **Instructors** entity contains information on This **Courses** entity contains information on courses 1..\* 1..\* the instructor. Specifically, the NetID for unique CRN within a department, and is uniquely identified by the NetID TeachesCourse identification purposes, the name of the CRN, YearTerm. It also contains Department, CourseName Name instructor, and the DeptName of the **Department** CourseName and CourseNumber. that they belong to CourseNumber We assume that all **Courses** must belong to a Description Belongs to particular **Department** Here we assume that all **Instructors Belongs To** one **Department** only and that a **Department** can **Departments** have any number of **Instructors Belonging To** it. DeptAbv We assume that all **Courses Belongs To** one **Department** only and that a **Department** can DeptName have any number of Courses Belonging To it. Location URL PhoneNumber 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.

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