

Assumptions For Each Relationship

UserInfo -- UserInput

- 1. Users must create a profile before providing user inputs
- 2. Users can create multiple user inputs
- 3. UserInput comes from one user in UserInfo

Course -- SectionInfo

- 1. Each course can have any amount of sections
- 2. Each section is related to exactly one course

Professor -- SectionInfo

- 1. All professors teach at least one section
- 2. Sections only have one primary professor

UserInput -- Professor

- 1. Each user input has one favorite professor
- 2. Each professor can be favorited by any amount of inputs

UserInput -- Course

- 1. Courses can be related to at any number of user inputs
- 2. Users can find any number of courses related to input

Course -- GenEdReq

1. One course can show up multiple times in the GenEdReq table since GenEdReq shows multiple years

Assumptions For Each Entity

UserInfo

- 1. Keeps track of all users that use the app
- 2. Username keeps track of username for account
- 3. Password holds the password for account

UserInput

- 1. Keeps track of all searches done through the app
- 2. ID unique number for input
- 3. Interests string with comma separated interests(words)
- 4. FavProfessor string of a favorite professor's name
- 5. AvgGPA the gpa the student is looking to get or has
- 6. CourseReg a course requirement student wants to fufill **Professor**

1. Used to retrieve professors from courses and user input

- 2. ID unique number for certain professor
- 3. Name name of certain professor
- 4. Dept department of certain professor

Course

- 1. Used to retrieve similar courses to user input and requirements
- CourseNumber number in the course title (ex. CS 374 just 374)
- 3. Dept the department of a course
- 4. Description description of course
- 5. Credits credits earned from taking course

Assumptions For Each Entity

SectionInfo

- 1. Used to retrieve sections with favorite professor and/or course
- 2. SectionID unique number for section
- 3. ProfessorID number to relate to the primary professor
- 4. Professors professors of that section of course
- 5. CourseNumber number in the course title (ex. CS 374 just 374)
- 6. Dept the department of a course
- 7. YearTerm year and term of section
- 8. AvgGPA average gpa of specific section

GenEdReg

- Used to see what general education requirement (values in ACP -SBS are nan if not fulfilled)
- 2. CourseNumber number in the course (ex. CS 374 just 374)
- 3. Dept the department of a course
- 4. Title name of course
- 5. ACP advanced composition requirement (ACP or blank)
- CS cultural study requirement (NW for Non-Western Cultures, WCC for Western/Comparative Cultures, US for US Minority Cultures, or blank)
- 7. HUM humanities & art requirement (HP for Historical & Philosophical Perspectives, LA for Literature & the Arts, or blank)
- 8. NAT natural sciences & technology requirement (LS for Life Sciences, PS for Physical Sciences, or blank)
- 9. QR quantitative reasoning requirement (QR1 for Quantitative Reasoning 1, QR2 for Quantitative Reasoning 2, or blank)
- 10. SBS social & behavioral science requirement (BS for Behavioral Sciences, SS for Social Sciences, or blank)