



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 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

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 fulfill

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
5. InterestTags - same as above just interests of professor

Assumptions For Each Entity

Course

1. Used to retrieve similar courses to user input and requirements
2. CourseNumber - number in the course title (ex. CS 374 just 374)
3. Dept - the department of a course
4. InterestTags - same as above but for course interests/tags
5. PreRegs - comma separated string of courses needed for specific course

SectionInfo

1. Used to retrieve sections with favorite professor and/or course
2. SectionID - unique number for section
3. ProfessorID - number to relate to a certain professor
4. CourseNumber - number in the course title (ex. CS 374 just 374)
5. Dept - the department of a course
6. Credits - number of credits earned from taking course
7. AvgGPA - average gpa of specific section (most recent term)