



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. Has attributes Username and Password

UserInput

1. Keeps track of all searches done through the app
2. Has attributes ID, Username, Interests, FavProfessor, AvgGPA, and CourseReg

Professor

1. Used to retrieve professors from courses and user input
2. Has attributes Name, Dept, InterestTags

Course

1. Used to retrieve similar courses to user input and requirements
2. Has attributes CourseNumber, Dept, InterestTags, Credits, and PreRegs

SectionInfo

1. Used to retrieve sections with favorite professor and/or course
2. Has attributes SectionID, Professor, CourseNumber, Dept, and AvgGPA