Rate U of I CS Department Professor website

SUMMARY:

This project is a course rating forum which will include ratings of computer science courses in uiuc and student comet of the course. Our application is also an “advisor”, there will also be more information about the courses that can help students understand what they can gain from this course.

We want to do something unique that can help cs students in UIUC. We are faithful to increase the experience of studying a uiuc cs course. The key idea is students help students. Students can get the information of the professor and know how the professor teaches and how other students rate the professor.

DESCRIPTION:

Our application will be a Database with integrated forum format, it will provide people the data of every computer science course in uiuc, the data will include the rate of the course, which track this course will suit for. What people can gain from this course. Who teaches this course and any alternative choice. Course registration policies etc

Our target user will be cs undergraduate/graduate students who are interested in taking a computer science course in uiuc. Our application is a place where students can rate a course and share ideas and comment. Everyone can see others' comments and add useful information about each course.

USEFULNESS:

Our application can help students in uiuc. They can get the information they need before they take the course. The key resources and advantages we have is that the course information is well updated and from the student's point of view. If they want to take a course but don’t know whether this course is suitable for him/ her, they can come to our application.

We will refer to the template of ratemyprofessor(https://www.ratemyprofessors.com/),we will not copy its patterns and data, but we will absorb some of his design concepts and use his strengths to improve our project's usefulness. But our application is unique for uiuc students so will not include other schools information. Another difference is that our application is designed based on courses, but rate_my_professor is based on the professor. Our user will usually go to their course first.

REALNESS:

Professor data can be collected from the U of I CS department faculty page and professor teaching course data can be collected from their personal page. CRN for the course can be collected from the course explorer. The initial rating data can be collected from RateMyProfessor website and automatically create the NetId for those rating students. Users can update and edit their data by logging into their account.

FUNCTION:

Function	Introduction	Data stored
Search professor (basic, simple)	All users can search professors who hold classes at UIUC and see the professor information and his average rate.	Select professor rate score information and the course information from several table like: professor_rate REAL;
User sign up (basic, complex)	Users can create an account. Account can be divided into 2 types, user and manager. Registered users can create comments and rate professors. Only managers are able to generate professor and Course info. Besides, only a register having managers' promo code can create a manager account. Only registered users are able to join the user group and use the group function. check other users' rate history.	Insert user information into user table like: User_name VARCHAR(255); User_Type INT; User_password VARCHAR(255);

Professor and course generate (simple)	Manager users can create professor and course information. Users can only rate existing professors. Data stored: This function will store professor or course information into a database.	Insert professor and course information into secure table like: Porf_name VARCHAR(255); Prof_department VARCHAR(255); Course_id VARCHAR(255); Course_num INT; Course_department VARCHAR(255);
Rate professor (basic, complex)	Registered users are able to rate professors, add, delete and modify their comment towards the professor. Data stored: This function will insert user rate information into the database, including rates and comments.	Insert rate information into rate table like; Rate_score REAL; Rate_comments VARCHAR(255); Course_id VARCHAR(255);
Create group (basic, simple)	Registered users can create a user group. Each user can only create or join one group. Data stored: This function will insert group information into the database.	Insert group information into group table like: Group_id VARCHAR(30); Group_founder_id VARCHAR(255);

Join or quit group (basic, complex)	Registered users can search groups using group name or group founder. Users who join the same group can see each other's rate history. Group creator can invite other users using user search.	Store group member information into group member table like: Group_id VARCHAR(30); Group_member VARCHAR(255); Also query other group members rate history from rate table like
Message translate in group (complex)	Group members can leave messages to other group members, they can send messages to all group members or designated the message receiver.	Store message information, group id and the target user information into table like: Message_id VARCHAR(255); Message_text VARCHAR(255); Sent_to VARCHAR(255);

Potential cool functionality:

Potential functionality 1: instant chat in group members

Group members may realize point-to-point instant chat. It may be realized using web real time communication technology.

UI MOCKUP:

Singup/Login

Search CS Prof. & Course

Course title or number

Welcome To Team011

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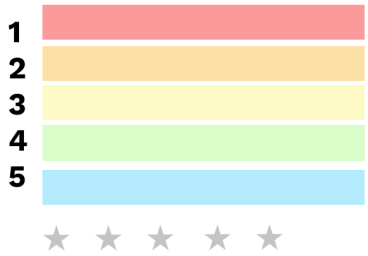
Course.Name
Pro.Name

Course description



students rating and comment

1 **cs412**

comment

WORK DISTRIBUTION

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Zhuoru Li(Zhuorul2): Professor, course, and rating DB implementation and data import

Zhihao Wang(Zhihaow6): User DB, log in/registration function implementation