

CS387-DBIS-Lab Project

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In-course Feedback Web-App

1 Overview

This is a web app made on Java servlets and postgresql for collecting and showing course feedback with attractive and seamless user interface.

2 Functional Specifications

We have added following specifications to our app:

- Separate Log-in for students and instructors.
- Student can only give feedback to the courses which only he/she is associated with but can view feedback of all courses. Also restricting number of feedback for a particular course in a particular semester and year to one per student
- Student can choose whether to be anonymous or not.
- Separate questions for feedback on different aspects of a course such as homework, exams, teaching etc.

- A scale between 0 to 5 to rate an aspect of a course numerically.
- A search interface where courses can be filtered by section, semester and year.
- A separate interface for superuser who can set the current section, semester and year
- Instructor can view feedback of any course.

3 Design Features

3.1 Types of users

- There are three kinds of users, superusers, students and instructors.
- After logging in, the student will see the courses he/she has taken in the current semester and option to add and view feedback of the same.
- Instructor, after logging in, will see the courses he/she has taken in the semester and feedback to it.

3.2 Interfaces

- Log-in page for both instructor and student
- Home page for student will have the course list he/she has taken in the current semester, A search box and semester/year filter to view feedback of some specific course for a specific year or semester.
- Home page for instructor his/her courses and view feedback option for those courses. Also can search all courses and their feedback.

- When a course is clicked, a new page for feedback details which will have all details info about the course, like number of grades, grading stats, all feedback, rating etc. Both student and instructor will use this.
- Additional page for about, suggestions etc.
- The superuser interface will have the form to change the default values of section, semester and year. Also it will show feedback given by all the app users.

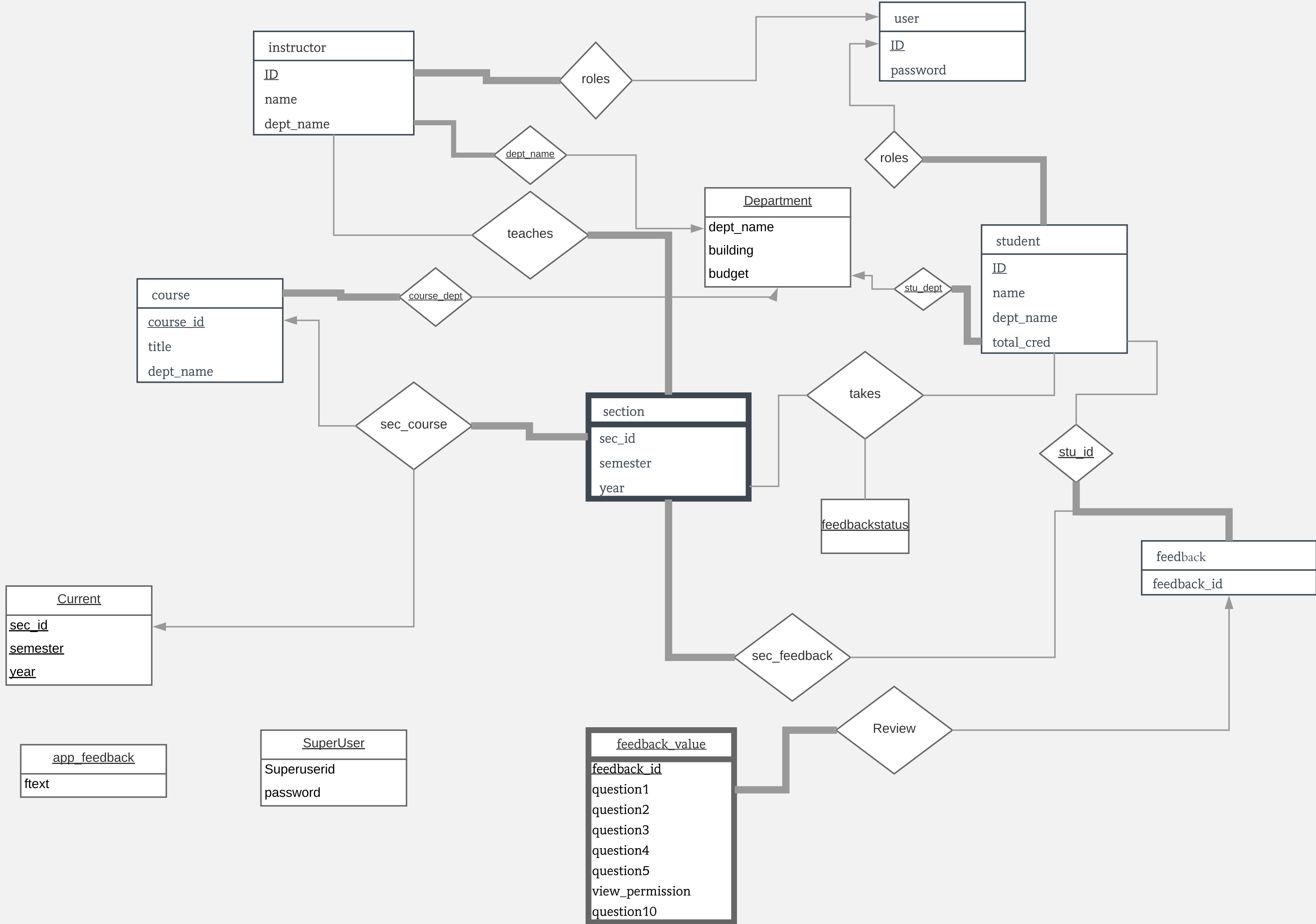
4 Tools and Technologies

We wish to use following tools to make our app:

- **Java servlet** for core back-end of the app.
- **Postgresql** and **PgAdmin** for database.
- **Apache Tomcat** for localhost server.
- **HTML**, **Javascript** and **CSS** for front end.

5 Conclusion

This is the project for CS387 DBIS lab. The web app can be helpful for both instructor and students as feedback will help giving an overall insight to the instructor and make it better in future offerings. There can be further developments in this project by using big data to filter out positive comments and negative comments and most used key words such as "tough paper", "good instructor" etc.



table

Deepak Meena | November 28, 2018

