



UNSW
A U S T R A L I A

PROJECT PROPOSAL

Course Management Bot

COMP9323 17S2

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Project summary

Vision Statement

The aim of this project is to provide an easy-to-use and humanized bot for lectures, mentors and students involved in course COMP9323. This bot is building on a live chat platform and provide convenient functionalities.

Chatting through instant messaging application is a most convenient way to contact each other. Nowadays, IM App is becoming most frequent media to publish and gather information like news. We want to create an innovative way to help lecturer and tutor to communicate with students while students could grasp information like chatting lecturer and tutor face-to-face.

General Goals

- Serve as a course management system for lectures so they can manage the course outline and assignments easily.
- Serve as a course information platform for students so they can get information from lectures/mentors by simply asking questions.
- Provide a simplistic, clutter-free and easy-to-use bot for managing the information about the course without any delay of the information.
- Ensure students are aware of all the key dates and the events related to the course
- Student can gather information about course workload and be able to organise their time and effort on undertaking the course beforehand in an orderly way.

Group/Team Goals

- Lecturers/mentors management system
 - upload lecture materials and other resources
 - send emails to inform students of the coming due date or exam as well as cancel lectures and extra
 - view and set reminder for upcoming events such as lecture time
 - view and modify assignment information and mark assignments on a same platform
 - check student's detailed information
 - filtering profanity word functionality
- Students information platform
 - getting information about course load
 - submitting assignments within interactive chatting system

- setting reminder and get reminder by email and messages for recent schedule
- sending email to lectures and mentors and group mates by natural language
- booking consultation time with mentor
- pulling grades of assignment
- filtering profanity word functionality

Problem Statements

Problem Statements

- The user interface is confusing, making both tutors and students hard to find what they want.
- If a tutor is in charge of two courses, he has to go to two course websites to manage.
- The forum system is a mess. Some students can hardly find a answer that is already posted by the tutor and they have to post the question again.
- The website usually contains a lot of information, making the loading speed of the website slow.
- The tutor has to go to the website to check the reminder. He cannot set up email notification at specific time.
- The UI design is not interactive and simplified enough.
- There is no profanity filter. People can post abusive words.

Methods used to infer problem statements

We inferred our problems in several steps. Firstly, we conduct several interviews among our friends and ask them, “What can be improved on our course website?” or “What part of the course website do you dislike most?” By asking them these questions, we developed a pool of potential problem statements.

Secondly, since we have the problem statements, we discussed the problem statements relevant to our project.

Moreover, these problem statements are concluded largely by our own user experience of these course management tools. For example, the key problem of the current counterparts is the complex navigation. Students cannot find the information or documents they want under most circumstances. The interaction between the tutor and the student must be simplified.

Evaluation of ideas

Before brainstorming, we searched some information from the website. During brainstorming, we divided the project into several chunks. For instance, we feel that there is no automatic reminder to remind users of the upcoming events, thus we want to implement this feature as one of our most top priority task.

For these ideas, we divided them into 3 levels according to the popularity and urgency and they are “core”, “important” and “extra”.