



TEACHER'S PET

Streamline your class discord

Team no. 91

OBJECTIVE

Teacher's pet is a discord bot that enables instructors in an online classroom to manage student communication. It also allows instructor to award students with virtual xp, providing analytics into the best performers in the class. Could be seen as an one-stop platform Moodle + Gradescope + Panopto.

FEATURES

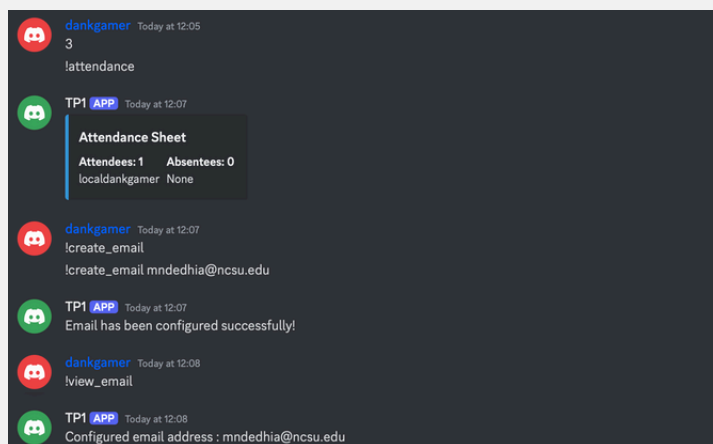
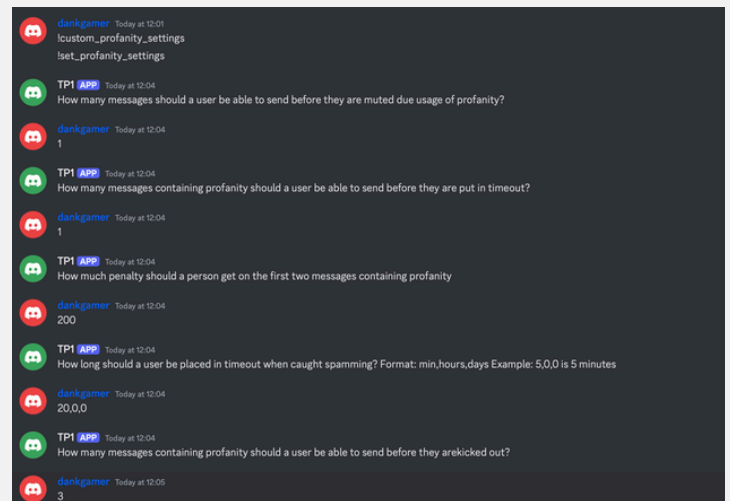
Events and Calendar tracking: Message summaries for events and Submissions

Spam detection and timeouts: Spammers can be easily identified and triaged by handing them a timeout.

Ranking system: Students get rewarded for meaningful discussion and contribution to overall class understanding.

Attendance Tracking: Instructor can track attendance in the voice channels

Email integrations: Email reminders for due dates & events



FEATURES

Q&A tracking: Improving on the Q&A feature, instructor can access a list of all unanswered questions, students can submit and view all their Q's. Answered questions will be embedded

Record a class taken on Discord: With discord being able to offer voice channels (with video and screen share), we would like to introduce recordings for future reference

Live quizzes in the form of polls: Adding the ability to hold Quizzes during an ongoing class using the polling feature, which can be used for grading and attendance verification

Scoring and grading: With the XP feature implemented but open to view by all, we plan on making a grading feature for the instructor that can assign grade weights per action and assign grades to all their students discreetly

METHODOLOGY

Q&A tracking: Individual question lists can be added using some DB queries, embeds will use the discord embed feature

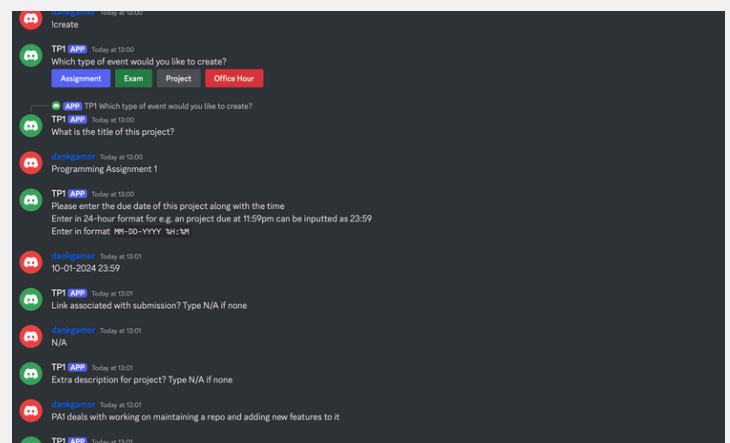
Record a class taken on Discord: Voice only classes can be handled by discord.py but for video recording PyAV can be used

Live quizzes in the form of polls: Live quizzes can be submitted by instructor and will be created using discord.py's Poll class

Scoring and grading: Scoring from quizzes or graded assignments can be done using predefined rubrics and can be automated with .csv files.

TEAM MEMBERS

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Tech Stack



Test Cases: 70