

Table 1: Revision History

Date	Developer(s)	Change
Sept 21,2018	Jason Tsui	Document Creation
Dec 3, 2018	Hareem Arif	Corrections based on rubric feedback

SE 3XA3: Problem Statement

Red Discord Bot

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1 Environment for the Software

Discord is a proprietary freeware voice-over-Internet-Protocol designed for video gaming communities that specializes in text, image, video, and audio communication. The software enables these forms of communication via a dedicated online server infrastructure which allow for people to join various chat rooms and communities. The software is operated on a browser that can be used on numerous operating systems as listed in the stakeholders section. The implementation itself will be constructed in a python compatible environment.

2 Problem Statement

With a growing number of users accumulating within individual chat rooms, the problem arises in which a single owner or a group of administrators must manually moderate the community and click on commands. The Discord application does not have any built-in scripting functionality nor automatic controls to moderate a community. Furthermore, the Discord application is solely a tool for communication, Discord itself does not promote community interaction other than from the community itself. When managing a community it is important to enforce house rules, have the proper tools to do so, and to place automatic guards for malicious interactions. Our solution plans to address these issues of community administration, community interaction, and community management.

3 Stakeholders

The stakeholders for our design include Discord room moderators and members, as they are interacting directly in the community being housed by this application. Our solution will be available for any device running Discord which makes

it quite accessible as Discord is available as a browser, Windows, macOS, Linux, iOS and Android application.