

Project Proposal: Michael Mhonda

COSC 412-101

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Business case:

My friend operates a stock trading business. One of the assets of his business is a Discord chat. This chat provides a means of communication between himself and all the members of his programs. The chat has 40 people so far and is gaining new members weekly. Last year he approached me wanting to see how viable it would be to create a Discord Bot to manage this group which gains new members weekly.

Objective:

Develop a fully functional always-running bot for his company to use for management purposes, report creation, and extra functionality necessary to improve his current features.

Requirements and deliverables:

- Tracking of user messages for particular keywords to display specific data pulled from the web.
- Automated user onboarding when they join the chat.
- 24/7 uptime.
- Moderation tools for the owner to be able to quickly post announcements in all his chats in a convenient and efficient manner.
- Centralized manner for him to display the progression of specific trades without needing to post separate and distant messages each time.
- A way to open up tickets or have questions directed to his attention by the members using the bot's features, thus decreasing the effort required by him when responding.
- Free trial and member timeline tracking.