

Discord Chat Bot

Asynchronous PHP

Benjamin Hamilton Harris

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Northern Michigan University

Introduction

Discord Chat Client

- Marketed towards gamers
- Rich text chat
- Silky smooth voice chat

Discord exposes a REST-ful HTTP API

- Raw HTTP requests are cumbersome
- Many wrapper libraries available
- JavaScript, Python most popular

Project Info

Technology Stack

Technologies

- PHP 7
- DiscordPHP API wrapper library
- ReactPHP Promises for Async
- Composer

Project Background

Proposal

- Started as passion project
- General purpose chat bot
- Rapidly growing feature set

Grading

Possible Points

- Get User Info [1 pts]
- Get Profile Photo for arbitrary User [1 pts]
- Get Server Info [2 pts]
- Display Bot Status/Uptime [1 pts]
- Send direct message to any user [1 pts]
- Permissions for commands based on user's permissions [2 pts]
- Talk to Cleverbot [3 pts]
- Save images and retrieve them later [5 pts]
- Save text and retrieve it later [2 pts]
- Send me a text message [2 pts]
- Send emails to a saved address for a user [2 pts]

Possible Points, cont.

- Internet lookups
 - Weather for any city [3 pts]
 - Time for any city [3 pts]
 - Save a preferred city for each user for time and weather [2 pts]
 - Look up a random joke [2 pts]
 - **Send an image from Google Images [5 pts]**
 - Stream music from YouTube to voice channel [10 pts]
- Create and vote on polls [5 pts]
- Chat games (TicTacToe, Hangman) [10 pts]
- Text transform (emojis, unicode fonts, and ASCII art) [3 pts]
- Roll an n-sided die [1 pts]
- 8-Ball style fortunes [2 pts]

Demo Time!

Grading Scale

63+ → A

56+ → B

49+ → C

42+ → D

35+ → F

65/70 possible points from proposal achieved

Possible Extra Points

Things I've done that might be worth more points!

- Edit and delete messages in the chat
- Run a command line process and return stdout as a message
- Evaluate arbitrary PHP code and return the results to the chat

I am the only user allowed to evaluate arbitrary code.

Any Questions?