TataruBot

# Main Objective:

TataruBot is a discord bot designed to automate the process of administration on the discord server Cleric’d. The bot will have the following features:

1. Automatically assigns new members to default role.
2. Dynamically grand and revoke access to individual text chat channels dedicated to individuals in an associated voice channel and purge the channel of all content once the voice channel is empty for a certain period.
3. Allow members to assign themselves to in game roles so they can be tagged when members are looking for specific roles for content.
4. Change the server location based on a text command when connection to sever becomes weak (admin only).
5. Store historical information about members to track activity, flag inactive members to be removed.
6. Store and retrieve resources for raiding, including guides, documents, and triggers.
7. Store and retrieve random chat commands for fun (copypastas and memes)
8. Create a loot management system for the raid team
   1. Keep track of loot added
   2. Retrieve loot history for pieces
   3. Suggest loot distribution
9. Any other features requested by users.

# Technology Used:

The bot will be written in C# using the Discord.Net library. In additional, AWS will be used for databases and for storage purposes. SQL will be used to send and retrieve requests to the database.

# Core Project Setup

* Main (executes the bot)
* BotClient (features event processing)
* S3 Module
  + S3Client (connects to AWS S3 to process data)
  + S3Connector (Basic independent async library for collecting and retrieving data
* SQL Module
  + SQLClient (process data from the database)
  + SQLConnector (Independent connector sending and retrieving requests)

# Milestones:

Version 1.0: (To be completed by September 3rd, 2019)

1. Automatically assigns new members to default role.
2. Dynamically grand and revoke access to individual text chat channels dedicated to individuals in an associated voice channel and purge the channel of all content once the voice channel is empty for a certain period.
3. Allow members to assign themselves to in game roles so they can be tagged when members are looking for specific roles for content.
4. Change the server location based on a text command when connection to sever becomes weak (admin only).

Version 1.1: (To be completed by September 16th, 2019)

1. Change the server location based on a text command when connection to sever becomes weak (admin only).
2. Store historical information about members to track activity, flag inactive members to be removed.
3. Store and retrieve resources for raiding, including guides, documents, and triggers.
4. Store and retrieve random chat commands for fun (copypastas and memes)

Future Releases:

1. Create a loot management system for the raid team
   1. Keep track of loot added
   2. Retrieve loot history for pieces
   3. Suggest loot distribution
2. Any other features requested by users.