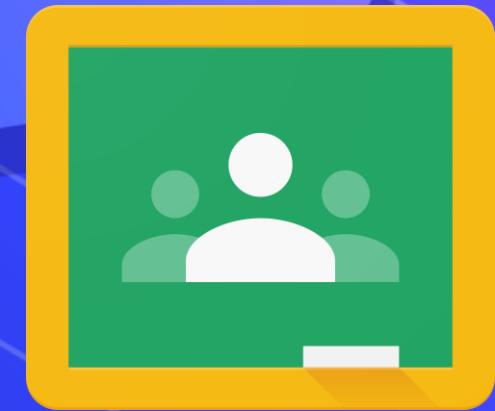


Are you tired of using all
these apps just to keep up
with online classes?



Introducing DisClassroom

- Samuel Mathew (20BCS116)



Objective

- To help schools and colleges, during these unprecedented times of the pandemic, manage their online classes all in one place: Discord.
- Discord is a social media platform that has gained enormous popularity in recent times, with over 150 million monthly users, increasing 200% since 2019, due to the pandemic.

Why did I decide to make this project?

- The last year spent entirely attending online classes inspired me to come up with my own solution to make online classes less cumbersome.
- Discord seemed like the perfect choice as it is an easy-to-use application, loaded with a bunch of cool features, available on all platforms and devices, and many schools and colleges have already opted to use Discord as a platform for online classes.

A brief about Discord

The image shows a screenshot of the Discord application interface. The left side features a sidebar with server statistics (1 member online, 1 boost), a search bar, and a list of channels. The main area is a message channel titled '# virtual-west-london-2020-03-24'. The right side shows a list of users. A red box highlights the central message channel, which is numbered 2. A red arrow points from the bottom of the sidebar to the message input field at the bottom of the channel window.

1

virtualcodebar

Server Boosts are here! Rally your community to boost your server.
See Levels & Perks

rules-of-engagement
learning-goals
scheduled-sessions
moderators
coaching-tips
troubleshoot

ORGANISED-WORKSHOPS

virtual-west-london-2020-03-24

Right, let's get this started

cattranfield Yesterday at 19:00 Thank you!

cattranfield Yesterday at 19:08 Thanks 😊

Burhan Yesterday at 19:09 Hello all. @Bruno - Coach and I might pop into your pairing channels through the evening to check that you're doing ok. If you have any questions about the workshop itself or discord, please feel free to ask here.

cattranfield Yesterday at 20:57 Just as good as normal codebar!
Under the circumstances

Just the video stream quality maybe?
I hope it was mostly okay
will there be one on Wednesdays for the other london chapter?
Thank you 😊
Seconded, Bruno was really good at explaining things and the dedication from coaches is clearly just as good as with codebar in person, thank you all so much for doing this

despo Yesterday at 21:10

cattranfield Yesterday at 21:11

That's great, will keep an eye out

2

3

Search

ORGANISERS—3

Bruno - Coach
Clair
Martin B.

ONLINE—15

Amber
BViGirLDev
dao Playing Visual Studio Code
Estel
Evie - Coach
Gary
Genna
Kye
Mel
missteax
norm_cunanan
Poppins01
RoboKoba

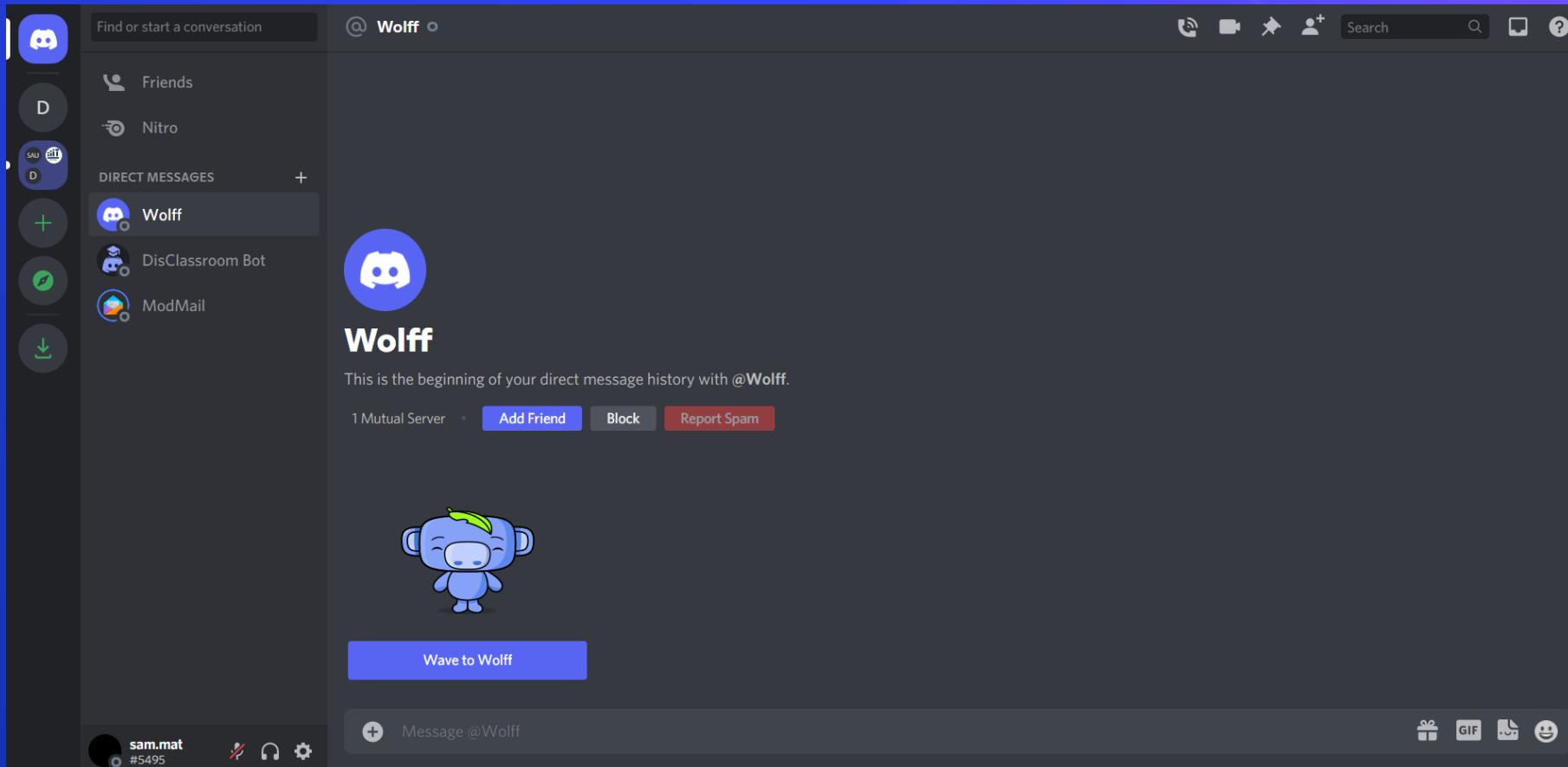
skhalsa10
Vortex BOT

Message #virtual-west-london-2020-03-24

4

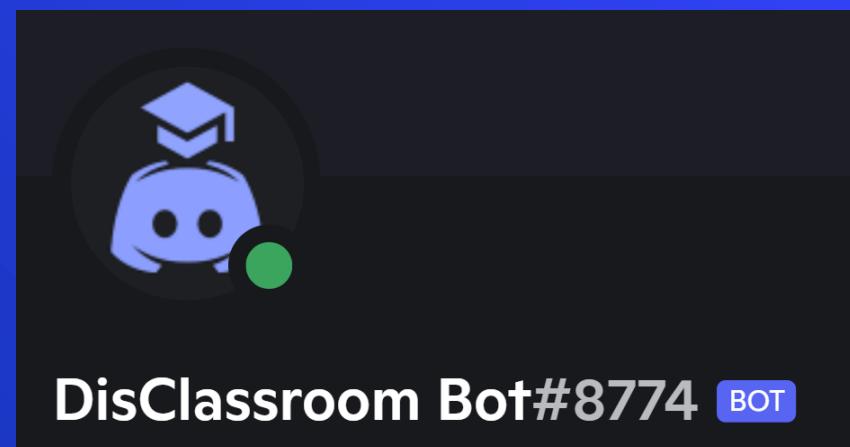
5

A brief about Discord



Technical Details

- Discord allows for any user to create bot accounts and access their API, add functionalities to the bot and use it for various purposes.
- Interact with the Discord API, using its most popular API wrapper for Python, discord.py.



Software/Hardware Involved



Google Cloud
(VPS)



discord.py
(API Wrapper)



Relational
Database

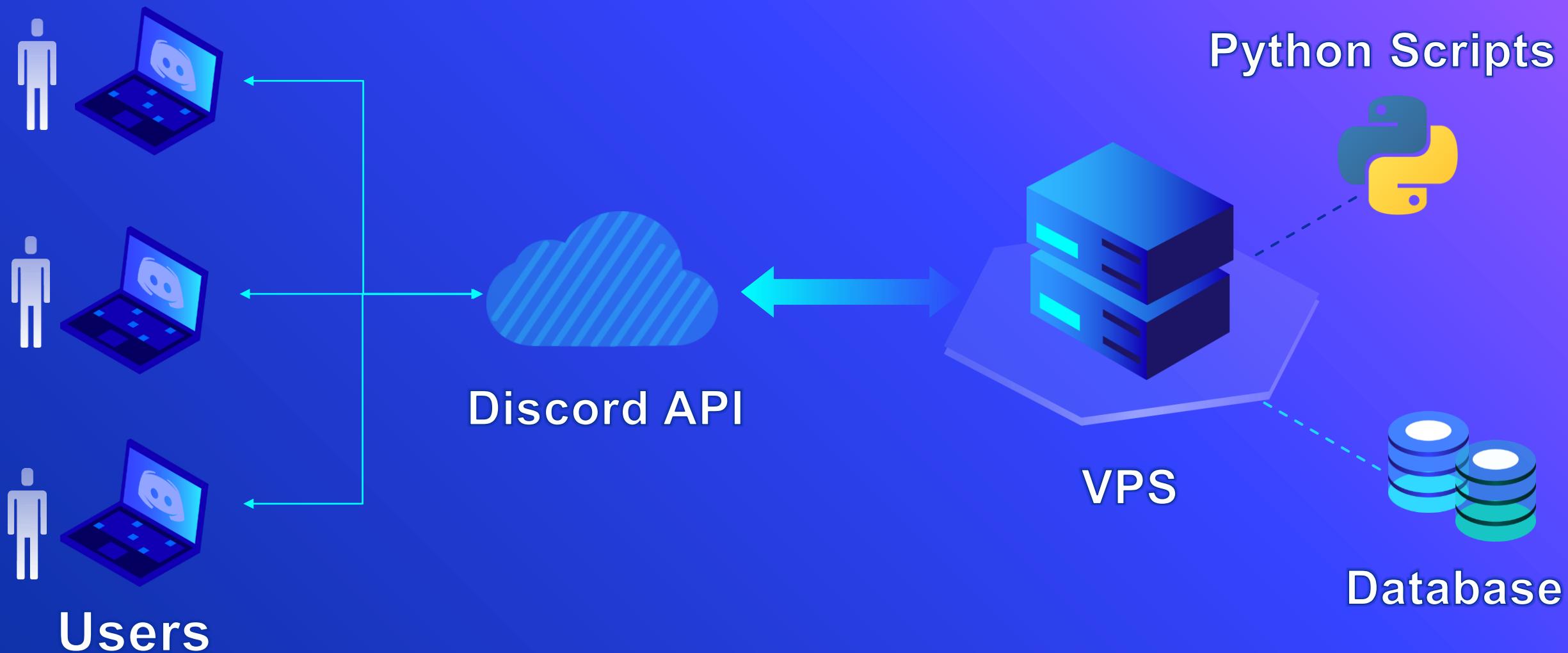


Google Sheets API

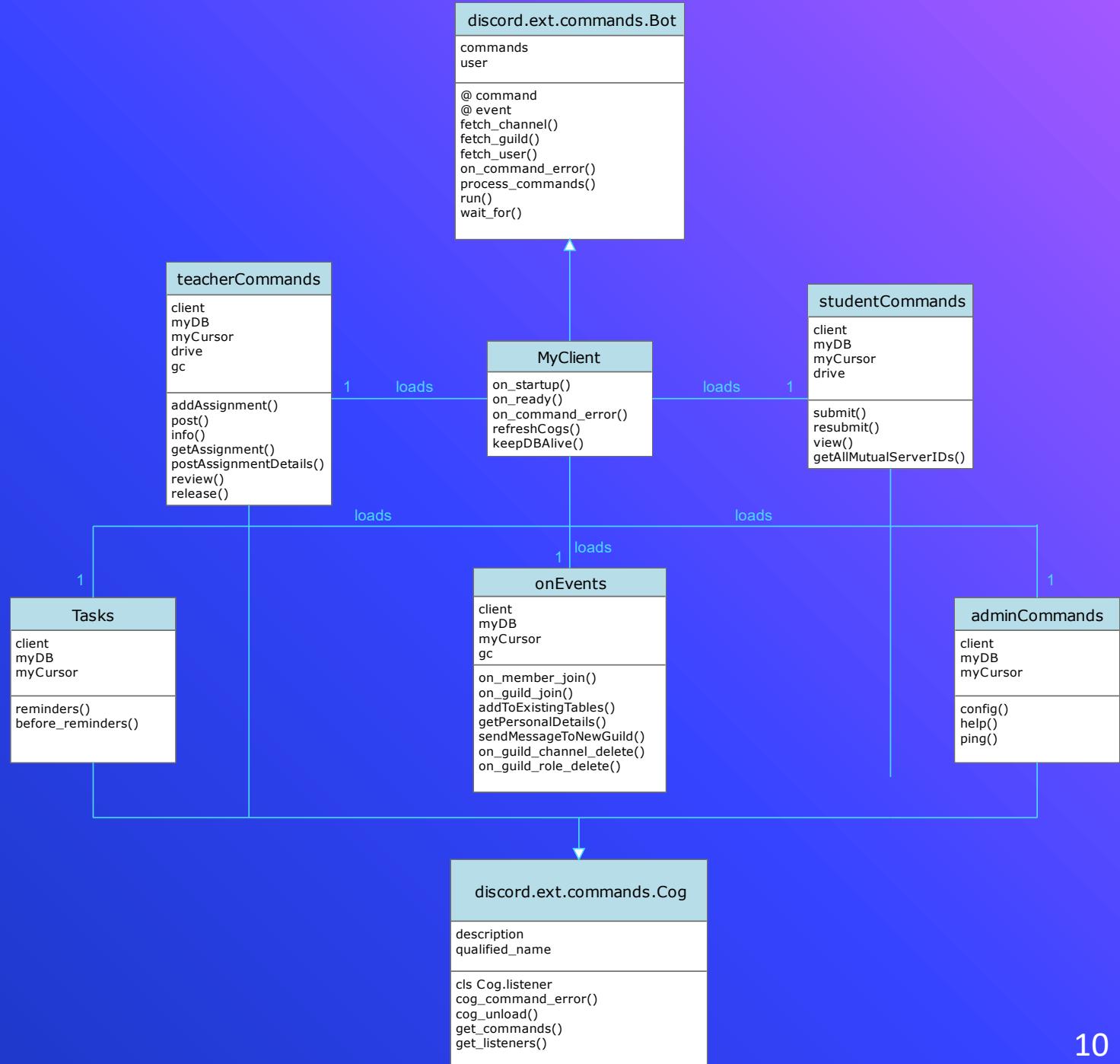


Google Drive API

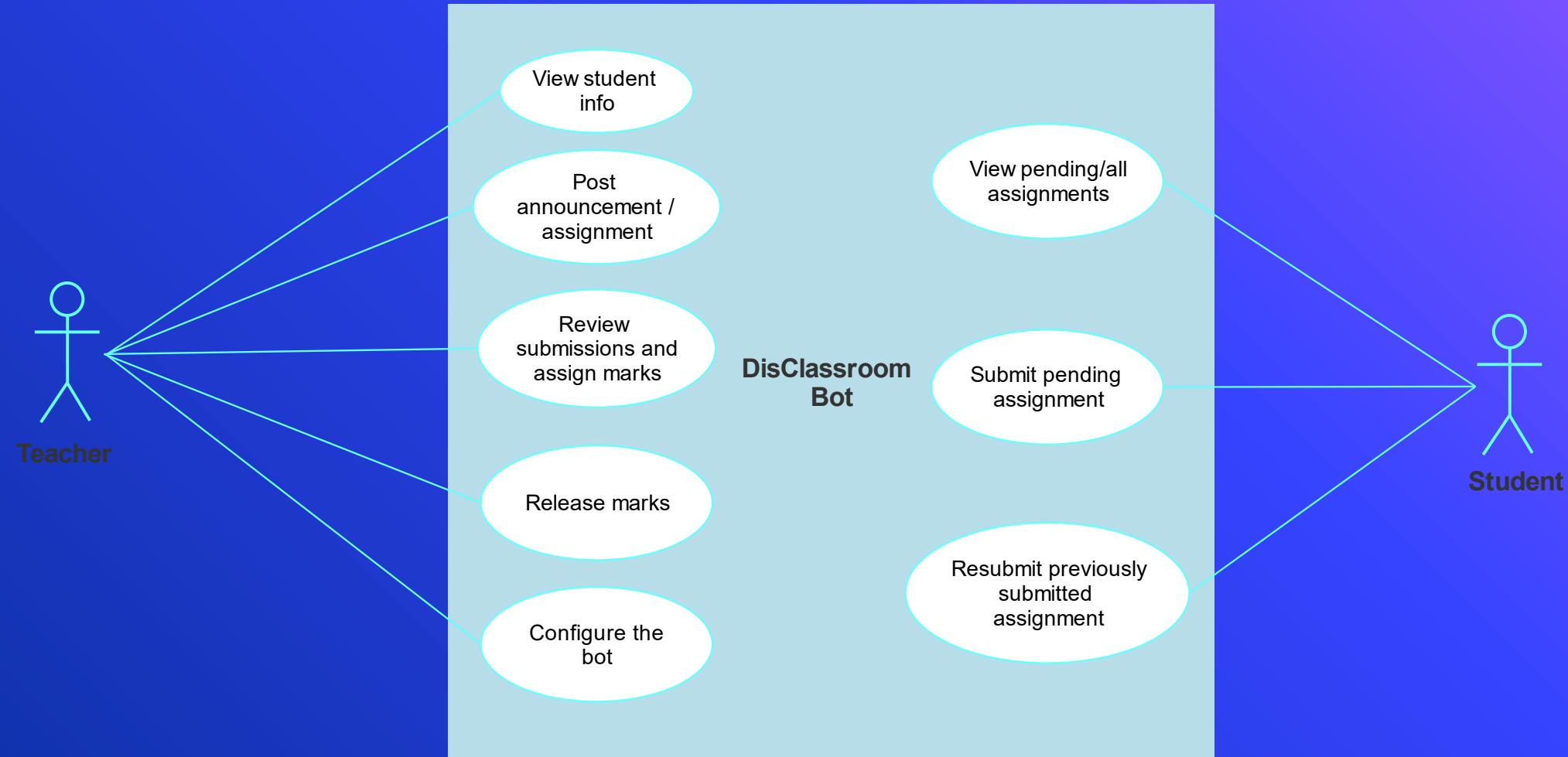
Architecture



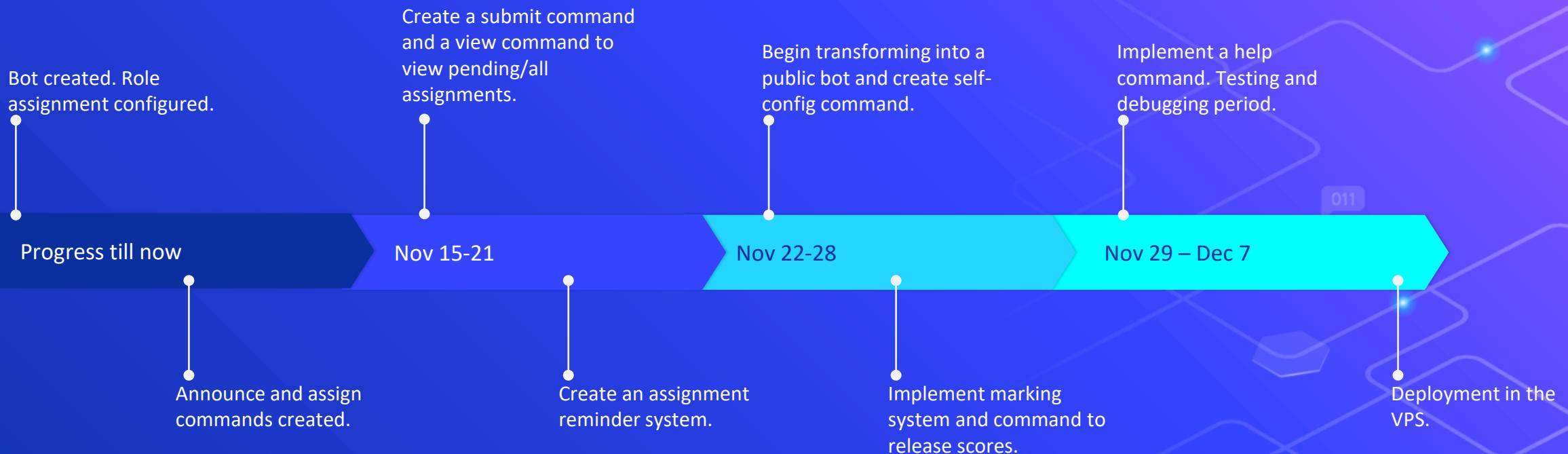
UML Class Diagram



UML Use Case Diagram



Timeline



Vision

- To provide an open-source public Discord bot, available for servers of various schools and institutions to use, to manage their day-to-day online classes with ease.

THANK YOU