

Cloud-based Discord Bot

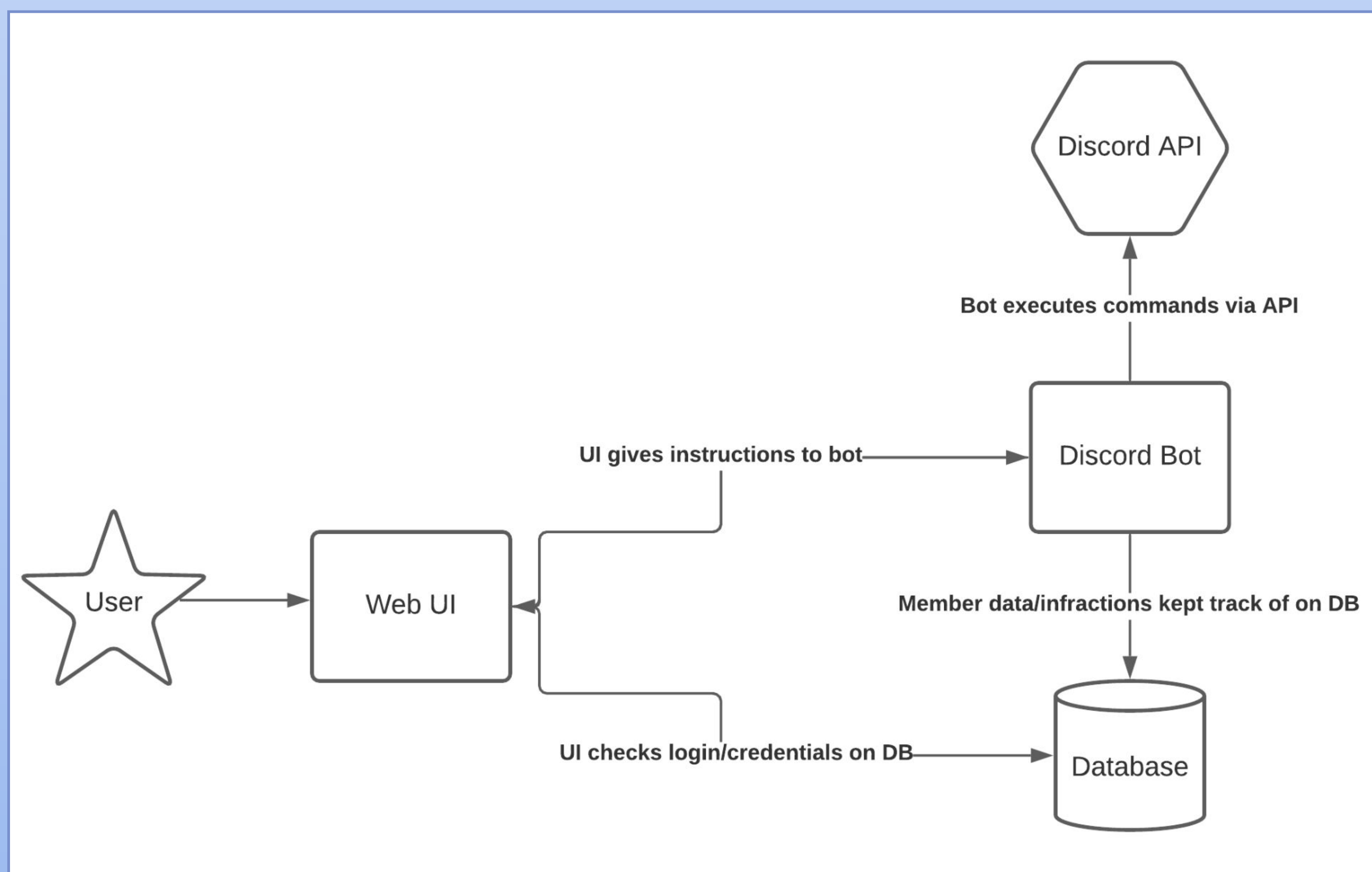
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<https://github.com/sm938792/CSC468-Group4.git>



Purpose

- Create an easy-to-use moderation bot for Discord servers
- Utilize a cloud-based infrastructure that allows for continuous deployment
- Include a Web UI with buttons to eliminate the need for manually typing out commands



Bot Design

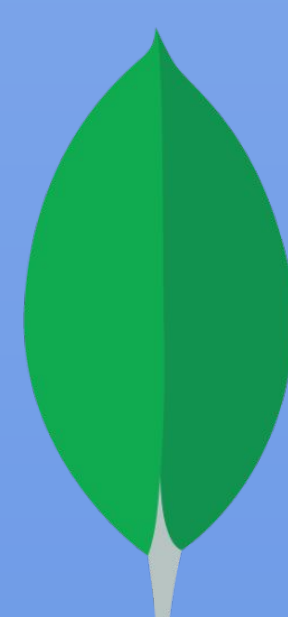
- Executes inputted commands from the Web UI to the Discord API
- Logs actions to the database for searching and comparing
- One instance per server
- Real-time updates via Jenkins

Database

- MongoDB over redis
- Holds login/server info
- Stores moderation logs
- Web UI **takes** from DB
- Bot **gives** to DB

Challenges

- Few parts to the infrastructure means more group reliance
- Communication with the Discord API
- Privatization of mongoDB SRV and Discord bot token
- Continuous deployment



mongoDB®