

Secret Palpatine Discord Bot

CSE 442 Software Engineering

Team Fried Chicken

Instructions for testing the Secret Palpatine Discord Bot without cloning the entire project code (**Easiest**):

If you would like to interact with our project like in a real-world application setting, you can do the following.

1. Create a Discord account. Use the following link to access the [Discord public website](#).
2. Join the Fried Chicken Discord server with this [invite link](#). If the bot is not online, ask a member of team Fried Chicken to run the Secret Palpatine Discord Bot locally and ensure it is online.

***Disclaimer** A real-world implementation of the Secret Palpatine Discord Bot would have the Discord Bot running perpetually.

3. Interact with the bot. Running the `< %get_instructions >` command will return a list of commands and explain the Discord Bot functionality. Our task and acceptance tests through ZenHub also explain all required commands for testing.

Instructions to clone the Secret Palpatine Discord Bot locally and connect it to our Discord server (**Recommended**):

1. Create a Discord account. Use the following link to access the [Discord public website](#).
2. Join the Fried Chicken Discord server with this [invite link](#).
3. ***Important** You will need a token.txt file which holds the unique token and a config.py file which will hold the configurations for the firebase. These are required to run and connect the Secret Palpatine Discord Bot with the [Fried Chicken Discord server](#).
***Important** The project final report includes the contents of the token.txt and config.py file. Create both files in a shared directory with the main.py file and copy and paste both files' contents from the report to the respective files.
***Important** This is NOT all that is required to run the Secret Palpatine Discord Bot locally. A way to compile python code AND two additional libraries will need to be installed locally if they are not already! Proceed to step 4 for more information.
4. Once python is installed locally, run the following commands to install the required libraries:

`< pip install pycord > < pip install firebase-admin >`

***Important** If there are any installation problems below are good resources to help:

[Help with pycord installation](#)

[Help with firebase-admin installation](#)

5. Run the Discord bot by typing the following command within the same directory as the main.py file:

`< py -3 main.py >`

***Disclaimer** You are required to have the Firebase-admin and Pycord libraries installed to run this project. Note that the testing of the bot commands requires at least two Discord accounts. If you are testing alone, we suggest creating two Discord accounts.

Instructions to clone the Secret Palpatine Discord Bot locally and run it within your own Discord server (**Hardest**):

1. Create a Discord account. Use the following link to access the [Discord public website](#).
2. On your Discord account, create a Discord server by clicking the “Add a Server” button at the bottom left. Create “President” and “Chancellor” roles on your server with that exact spelling. This can be done by going to “Server Settings” in the dropdown menu at the top left. Then go to the “Roles” tab and click “Create Role.” Here you can create a role with a name.
3. Create a Discord bot on the Discord developer portal.
4. Retrieve the token of your bot and create a token.txt file in the same path as the main.py file which contains the token string. The token can be retrieved from the developer portal by going to the “Applications” tab, clicking on your bot tab, and then clicking to view your custom token. **Make sure to keep this token secure.**
5. Invite the bot to your server by going to the Developer portal, clicking on the Application tab, clicking on your bot, going to the “OAuth2” tab, going to the “URL Generator” sub-tab, checking “bot” under ”Scopes”, and finally checking “Administrator” under “Bot Permissions.”
At the bottom of the page there should be a generated URL which you can copy and paste into your browser and choose your server for the bot to be added to. Make sure you are logged into Discord on your browser to do this.
6. Create a firebase database by going to the following website: <https://firebase.google.com/>. Click "Get Started" then click "Add Project". Choose a name and keep everything as default.
Create a new web app. Under "SDK setup and configuration" choose Config, there will be your code key that connects the discord bot to the database. Add the code to a config.py file that must not be uploaded to GitHub for security reasons.
7. Run the Discord bot by typing the following command within the same directory as the main.py file:

`< py -3 main.py >`

***Disclaimer** We understand that these instructions are tedious, however, replicating this project successfully must include you generating your own Firebase database and Discord bot, as in a real-world application, other users would interact with the bot by joining our discord server and interacting with it there, rather than replicating it and running it like an application.