Card Drop

- Cards
- Google Drive Sync

Cards

This document will describe how to add cards to the bot. This is from the perspective of the development side and doesn't go into details of syncing from an external place such as with the Google Drive Sync function.

The cards will be put into the `$DATA_DIR/cards` folder. `$DATA_DIR` is configured in the `.env` file.

Folder Structure

The general structure of the cards folder is as follows:

```
cards           # The main cards folder
| Series 1      # Series folder
| | BRONZE      # Type folder
| | | 1000.jpg  # Card image
| | | 1001.jpg
| | 1.json      # Card metadata file
| Series 2
| | SILVER
| | | 2000.jpg
| | 2.json
```

- The root of the cards folder will have a folder foor each series
- Each series will contain folders for each of the card types containing the card images.
- The series folder will also contain a metadata JSON folder containing the metadata of the cards within that series.

The bot when loading will search the cards folder recursively for each json, and then read them to determine what cards should be used for the bot.

Series Metadata

An example of what the metadata files could look like are as follows:

```
[
    {
        "id": 1,
        "name": "Series 1",
        "cards": [
            {
                "id": "1000",
                "name": "Card 1000 of Series 1",
                "type": 1,
                "path": "Series 1/BRONZE/1000.jpg"
            },
            {
                "id": "1001",
                "name": "Card 1001 of Series 1",
                "type": 1,
                "path": "Series 2/BRONZE?1001.jpg",
                "subseries": "Custom Series Name"
            }
        ]
    }
]
```

This file will load a series called "Series 1" with the id of 1, containing 2 cards:

- Card 1000, with type 1 (Bronze), with its image located at (from root) "Series 1/BRONZE/1000.jpg"
- Card 1001 is the same, except has a custom "subseries" name which will override the main series name if shown, helpful for an "other" category.

Card Type

Number	Name	Chance	Sacrifice Cost (Coins)
0	Unknown	-	-
1	Bronze	62%	5
2	Silver	31%	10
3	Gold	4.4%	30
4	Manga	2%	40
5	Legendary	0.6%	100

Google Drive Sync

The bot relies on an external sync between the local file system and Google Drive in order to get newer cards to the bot. This is done using Rclone.

The process for this is done by once the `/gdrivesync` command is executed by an admin user of the bot, which calls the system shell to run rclone to the card folder.

- The admins who can run the command is specifed in `$BOT_ADMINS`, which are discord user ids separated by commas.
- The card folder is located at `$DATA_DIR/cards`.
- The source requires rclone's remote to be setup as `card-drop-gdrive`.

The exact command it runs is: `rclone sync card-drop-gdrive: $DATA_DIR/cards`.

Once it syncs the database will reread all the cards for updates and then load them into the bot to be given.

Safe Mode

Safe mode is a function of the bot which disables the `/drop` command function and any other functions which rely on the card metadata. Safe mode is activated upon failure to sync properly. It is disabled once errors are resolved.

The reason for safe mode is to ensure that the bot stays online for admins to be able to resync the bot in case there's an error without it crashing.

Google Drive

Please see the Rclone documentation on how to setup a remote using Google Drive. You will need to make an app password for this.

- scope: `drive.readonly`
- root_folder_id: The folder id where the cards are located, this can be found by looking at the url when viewing the folder in the browser in google drive.