
otaku-info-bot

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OTAKU_INFO_BOT PACKAGE

1.1 Subpackages

1.1.1 otaku_info_bot.db package

Submodules

otaku_info_bot.db.AnilistEntry module

class otaku_info_bot.db.AnilistEntry.**AnilistEntry**(**kwargs)

Bases: sqlalchemy.ext.declarative.api.Base

Models an anilist entry

__init__(**kwargs)

A simple constructor that allows initialization from kwargs.

Sets attributes on the constructed instance using the names and values in kwargs.

Only keys that are present as attributes of the instance's class are allowed. These could be, for example, any mapped columns or relationships.

anilist_id

The anilist ID of the entry

property anilist_url

Returns The URL to the anilist page

completed

Whether or not the series is already completed

id

The ID of the entry

latest

The most recently released episode/chapter

media_type

The media type of the entry

name

The name of the series

releasing

Whether or not the series is currently being released

otaku_info_bot.db.MangaChapterGuess module

class otaku_info_bot.db.MangaChapterGuess.**MangaChapterGuess** (**kwargs)

Bases: sqlalchemy.ext.declarative.api.Base

Models a manga chapter guess

__init__ (**kwargs)

A simple constructor that allows initialization from kwargs.

Sets attributes on the constructed instance using the names and values in kwargs.

Only keys that are present as attributes of the instance's class are allowed. These could be, for example, any mapped columns or relationships.

guess

The current guess value

id

The anilist ID of the guess

last_check

Indicates when the last check was

update () → bool

Updates the current value if more than an hour has elapsed since the last update :return: Whether or not the value was updated

otaku_info_bot.db.Notification module

class otaku_info_bot.db.Notification.**Notification** (**kwargs)

Bases: sqlalchemy.ext.declarative.api.Base

Models a generic Notification

__init__ (**kwargs)

A simple constructor that allows initialization from kwargs.

Sets attributes on the constructed instance using the names and values in kwargs.

Only keys that are present as attributes of the instance's class are allowed. These could be, for example, any mapped columns or relationships.

address

The associated address

address_id

The ID of the associated address

property diff

The difference between the last update and the current entry value :return: The difference

entry

The associated anilist entry

entry_id

The ID of the associated anilist entry

id

The ID of the notification

last_update

The last notification update

property user_diff

Returns The difference between the user's progress and the latest entry value

user_progress

The user's current progress

user_score

Score that the user gave the entry

otaku_info_bot.db.RankedModeSetting module

class `otaku_info_bot.db.RankedModeSetting.RankedModeSetting(**kwargs)`

Bases: `sqlalchemy.ext.declarative.api.Base`

Stores a user's preference for ranked mode

__init__ (***kwargs*)

A simple constructor that allows initialization from kwargs.

Sets attributes on the constructed instance using the names and values in *kwargs*.

Only keys that are present as attributes of the instance's class are allowed. These could be, for example, any mapped columns or relationships.

address

The associated address

address_id

The ID of the associated address

id

The ID of the setting

value

The current value of the setting

otaku_info_bot.db.config module

class `otaku_info_bot.db.config.AnimeNotificationConfig(**kwargs)`

Bases: `otaku_info_bot.db.config.NotificationConfig`, `sqlalchemy.ext.declarative.api.Base`

Configuration for anime updates

__init__ (***kwargs*)

A simple constructor that allows initialization from kwargs.

Sets attributes on the constructed instance using the names and values in *kwargs*.

Only keys that are present as attributes of the instance's class are allowed. These could be, for example, any mapped columns or relationships.

address

The associated address

address_id

The ID of the associated address

anilist_username

classmethod `default_list_name()` → str

Returns The default list name

id

list_name

classmethod media_type () → str

Returns The media type

class otaku_info_bot.db.config.**MangaNotificationConfig** (**kwargs)

Bases: `otaku_info_bot.db.config.NotificationConfig`, `sqlalchemy.ext.declarative.api.Base`

Configuration for manga reminders

__init__ (**kwargs)

A simple constructor that allows initialization from kwargs.

Sets attributes on the constructed instance using the names and values in kwargs.

Only keys that are present as attributes of the instance's class are allowed. These could be, for example, any mapped columns or relationships.

address

The associated address

address_id

The ID of the associated address

anilist_username

classmethod default_list_name () → str

Returns The default list name

id

list_name

classmethod media_type () → str

Returns The media type

class otaku_info_bot.db.config.**NotificationConfig**

Bases: `object`

Models generic anilist-related notification configurations

address = <RelationshipProperty at 0x7f56830fa0c8; no key>

address_id = Column(None, Integer(), ForeignKey('addressbook.id'), table=None)

anilist_username = Column(None, String(length=255), table=None, nullable=False)

The anilist username to use

classmethod default_list_name () → str

Returns The default list name

id = Column(None, Integer(), table=None, primary_key=True, nullable=False)

The ID of the config

list_name = Column(None, String(length=255), table=None, nullable=False)

The anilist list

classmethod media_type () → str

Returns The media type

Module contents

1.1.2 otaku_info_bot.fetching package

Submodules

otaku_info_bot.fetching.anilist module

class `otaku_info_bot.fetching.anilist.GraphQLClient` (*api_url: str*)

Bases: object

A simple API wrapper for GraphQL APIs

__init__ (*api_url: str*)

Initializes the GraphQL API wrapper :param api_url: The API endpoint URL

query (*query_string: str, variables: Optional[Dict[str, Any]]*) → Optional[Dict[str, Any]]

Executes a GraphQL query :param query_string: The query string to use :param variables: The variables to send :return: The response JSON, or None if an error occurred.

`otaku_info_bot.fetching.anilist.guess_latest_manga_chapter` (*anilist_id: int*) → Optional[int]

Guesses the latest chapter number based on anilist user activity :param anilist_id: The anilist ID to check :return: The latest chapter number

`otaku_info_bot.fetching.anilist.load_anilist` (*username: str, media_type: str, list_name: Optional[str] = None*) → List[Dict[str, Any]]

Loads the anilist for a user :param username: The username :param media_type: The media type, either MANGA or ANIME :param list_name: Optionaly restrict to a specific list :return: The anilist

otaku_info_bot.fetching.anime module

`otaku_info_bot.fetching.anime.load_newest_episodes` () → Dict[int, int]

Loads the newest episode numbers on /r/anime's /u/autolovepon's page :return: The show's anilist ID mapped to the latest episode number

otaku_info_bot.fetching.ln module

`otaku_info_bot.fetching.ln.load_ln_releases` (*year: Optional[int] = None, month: Optional[str] = None*) → Dict[int, Dict[str, List[Dict[str, str]]]]

Loads the currently available light novel releases from reddit's /r/lightnovels subreddit. :param year: Limits releases to a specific year :param month: Limits releases to a specific month :return: The releases, categorized by year and month

Module contents

1.2 Submodules

1.3 otaku_info_bot.OtakuInfoBot module

class otaku_info_bot.OtakuInfoBot.OtakuInfoBot (*connection:* *bok-kichat.connection.Connection.Connection,*
location: *str, db_uri:* *Optional[str] = None*)

Bases: kudubot.Bot.Bot

The OtakuInfo Bot class that defines the anime reminder functionality.

activate_config (*address:* *kudubot.db.Address.Address,* *args:* *Dict[str, Any], db_session:*
sqlalchemy.orm.session.Session, config_cls: *Any*)

Activates a configuration for a user :param address: The user's address :param args: The command arguments :param db_session: The database session :param config_cls: The configuration class :return: None

bg_iteration (*_:* *int, db_session:* *sqlalchemy.orm.session.Session*)

Periodically checks for new notifications and sends them out :param _: The iteration count :param db_session: The database session to use :return: None

cache_delay_count = 0

Used to stagger out cache stores of manga chapter guesses so that they don't all occur at the same time

deactivate_config (*address:* *kudubot.db.Address.Address,* *db_session:*
sqlalchemy.orm.session.Session, config_cls: *Type[otaku_info_bot.db.config.NotificationConfig]*)

Deactivates an anilist configuration for a user :param address: The address for which to deactivate the config :param db_session: The database session to use :param config_cls: The configuration class to use :return: None

get_cached_manga_chapter_guess (*anilist_id:* *int,* *db_session:*
sqlalchemy.orm.session.Session) → int

Uses manga chapter guesses from the database to reduce requests to anilist servers and generally reduce loading times :param anilist_id: The anilist ID for which to get the chapter guess :param db_session: The database session to use :return: The manga chapter guess

classmethod name () → str

Returns The name of the bot

on_activate_anime_notifications (*address:* *kudubot.db.Address.Address,* *args:* *Dict[str,*
Any], db_session: *sqlalchemy.orm.session.Session*)

Activates anime notifications for a user :param address: The user's address :param args: The arguments, containing the anilist username :param db_session: The database session to use :return: None

on_activate_manga_notifications (*address:* *kudubot.db.Address.Address,* *args:* *Dict[str,*
Any], db_session: *sqlalchemy.orm.session.Session*)

Handles activating manga notifications for a user using anilist :param address: The user that sent this request :param args: The arguments to use :param db_session: The database session to use :return: None

on_deactivate_anime_notifications (*address:* *kudubot.db.Address.Address,* *_, db_session:*
sqlalchemy.orm.session.Session)

Deactivates anime notifications for a user :param address: The user's address :param _: The arguments :param db_session: The database session to use :return: None

on_deactivate_manga_notifications (*address:* *kudubot.db.Address.Address,* *_, db_session:*
sqlalchemy.orm.session.Session)

Handles deactivating manga notifications for a user using anilist :param address: The user that sent this

request :param _: The arguments :param db_session: The database session to use :return: None

on_list_ln_releases (*address: kudubot.db.Address.Address, args: Dict[str, Any], _*)

Handles listing current light novel releases :param address: The user that sent this request :param args: The arguments to use :param _: The database session :return: None

on_list_new_anime_episodes (*address: kudubot.db.Address.Address, _, db_session: sqlalchemy.orm.session.Session*)

Handles listing new episodes for a user :param address: The address that requested this :param _: The arguments :param db_session: The database session to use :return: None

on_list_new_completed_chapters (*address: kudubot.db.Address.Address, _, db_session: sqlalchemy.orm.session.Session*)

Handles listing new manga chapters for a user Only sends notifications for currently completed manga series :param address: The address that requested this :param _: The arguments :param db_session: The database session to use :return: None

on_list_new_completed_episodes (*address: kudubot.db.Address.Address, _, db_session: sqlalchemy.orm.session.Session*)

Handles listing new episodes for a user Only sends notifications for completed anime series :param address: The address that requested this :param _: The arguments :param db_session: The database session to use :return: None

on_list_new_manga_chapters (*address: kudubot.db.Address.Address, _, db_session: sqlalchemy.orm.session.Session*)

Handles listing new manga chapters for a user :param address: The address that requested this :param _: The arguments :param db_session: The database session to use :return: None

on_list_new_releasing_chapters (*address: kudubot.db.Address.Address, args: Dict[str, Any], db_session: sqlalchemy.orm.session.Session*)

Handles listing new manga chapters for a user. Only sends notifications for currently releasing manga :param address: The address that requested this :param args: The arguments provided by the user :param db_session: The database session to use :return: None

on_list_new_releasing_episodes (*address: kudubot.db.Address.Address, args: Dict[str, Any], db_session: sqlalchemy.orm.session.Session*)

Handles listing new episodes for a user Only sends notifications for currently releasing anime series :param address: The address that requested this :param args: The arguments provided by the user :param db_session: The database session to use :return: None

on_toggle_ranked_mode (*address: kudubot.db.Address.Address, _: Dict[str, Any], db_session: sqlalchemy.orm.session.Session*)

Lets the user toggle “ranked” mode :param address: The address of the user attempting to toggle the mode :param _: The parameters provided by the parser :param db_session: The database session to use :return: None

classmethod parsers () → List[kudubot.parsing.CommandParser.CommandParser]

Returns A list of parser the bot supports for commands

classmethod version () → str

Returns The current version of the bot

1.4 otaku_info_bot.OtakuInfoCommandParser module

class otaku_info_bot.OtakuInfoCommandParser.OtakuInfoCommandParser

Bases: kudubot.parsing.CommandParser.CommandParser

Parser for the otaku-info-bot bot

classmethod **commands** () → List[kudubot.parsing.Command.Command]

Defines the commands the parser supports :return: The list of commands

classmethod **name** () → str

Returns The name of the parser

1.5 Module contents

otaku_info_bot.sentry_dsn = 'https://f5b72befe0c342709546a5ea2e11197b@sentry.namibsun.net/'

The sentry DSN for this project

otaku_info_bot.version = '0.5.0'

The current version of otaku_info_bot

OTAKU_INFO_BOT

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