Package ‘rwars’

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Type Package
Title R Client for the Star Wars API
Description Provides functions to retrieve and reformat data from the 'Star Wars' API (SWAPI) (<https://swapi.co/>).
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R topics documented:

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get_all_planets

Retrieve Data about Every DB Entry in a Class

Description

these functions retrieve the data associated with every entry in a particular class of object, where that class may be planet, species, vehicle, so on and so forth.

Usage

get_all_planets(query_continue = NULL, parse_result = FALSE, ...)  
get_all_species(query_continue = NULL, parse_result = FALSE, ...)  
get_all_films(query_continue = NULL, parse_result = FALSE, ...)  
get_all_vehicles(query_continue = NULL, parse_result = FALSE, ...)  
get_all_starships(query_continue = NULL, parse_result = FALSE, ...)  
get_all_people(query_continue = NULL, parse_result = FALSE, ...)  

Arguments

query_continue whether this is a continuation of a previous query. Set to NULL by default; the alternative is to provide this argument with the "next" URL from a returned object - see the examples.

parse_result whether to parse and simplify the result of the query. Set to FALSE by default.

... further arguments to pass to httr’s GET function.

See Also

retrieving individual entries with entries

Examples

#Retrieve all planets, parsing  
planets <- get_all_planets(parse_result = TRUE)

#It's only returned some of the results! Use query_continue to get the rest.  
second_set_of_planets <- get_all_planets(getElement(planets,"next"), parse_result = TRUE)
get_planet

Retrieve Data about a Specific DB Entry

Description

These functions return a specific DB entry’s information - where that entry can be a planet, species, vehicle, so on and so forth.

Usage

get_planet(id, parse_result = FALSE, ...)
get_species(id, parse_result = FALSE, ...)
get_film(id, parse_result = FALSE, ...)
get_vehicle(id, parse_result = FALSE, ...)
get_starship(id, parse_result = FALSE, ...)
get_person(id, parse_result = FALSE, ...)

Arguments

id the numeric ID of the (planet, species, etc) you want to retrieve. Note that IDs are not necessarily sequential; IDs 3, 4 and 6 may exist, while ID 5 may error.
parse_result whether to parse and simplify the data before returning it. Set to FALSE by default.
... further arguments to pass to httr’s GET function.

See Also

retrieving entire classes of entries with all_entries.

Examples

#Retrieve an object by ID
looking_for_data_in_alderaan_places <- get_planet(2)
**get_planet_schema**  
Retrieve the schema specifications for different object classes

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**Description**

*_schema functions grab the schema specifications for each class of objects in the SWAPI database. This can be used to predict what structure data returned from the API will take.

**Usage**

get_planet_schema(parse_result = FALSE, ...)
get_species_schema(parse_result = FALSE, ...)
get_film_schema(parse_result = FALSE, ...)
get_vehicle_schema(parse_result = FALSE, ...)
get_starship_schema(parse_result = FALSE, ...)
get_person_schema(parse_result = FALSE, ...)

**Arguments**

parse_result whether to simplify the results before they are returned. This is FALSE by default.

... additional arguments to pass to httr’s GET function, such as timeout settings or user agents.

**Value**

a list-based representation of the relevant JSON schema.

**See Also**

entries for retrieving data about individual planets, schemas, etc, or all_entries for retrieving all of the data in a particular category.

**Examples**

get_planet_schema()
| r wars | Star Wars API client library |

**Description**

A package connecting R to the Star Wars API
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