Package ‘glassdoor’

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Description Interacts with the 'Glassdoor' API
  <https://www.glassdoor.com/developer/index.htm>. Allows the user to
  search job statistics, employer statistics, and job progression,
  where 'Glassdoor' provides a breakdown of other jobs a person did
  after their current one.
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### gd_api

**General Glassdoor API function**

#### Description

General Glassdoor API function

#### Usage

```
gd_api(query = NULL, action = NULL, agent = gd_user_agent(),
version = 1, format = "json", url = gd_url(), pid = gd_pid(),
pat = gd_pat(), ip_address = NULL, add_query = NULL, ...)
```

#### Arguments

- **query**: Additional options to pass to the query other than those specified here
- **action**: The particular API call that you would like to make
- **agent**: The User-Agent (browser) of the end user to whom the API results will be shown. Note that you can obtain this from the "User-Agent" HTTP request header from the end-user
- **version**: The API version. The current version is 1 except for jobs, which is currently version 1.1
- **format**: Either xml or json as you prefer
- **url**: Glassdoor RESTful API URL
- **pid**: Your partner id, as assigned by Glassdoor
- **pat**: Your partner key, as assigned by Glassdoor
- **ip_address**: The IP address of the end user to whom the API results will be shown
- **add_query**: Additional options to pass to the query other than those specified here (named list)
- **...**: Additional options to send to GET

#### Value

A list of class gd_api
Examples

```java
if (have_gd_pid() && have_gd_pat()) {
    res = gd_api(
        action = "employers",
        other = NULL,
        version = 1,
        format = "json",
        query = "pharmaceuticals")

    res = gd_api(
        action = "employers",
        other = NULL,
        version = 1,
        format = "json",
        query = "pharmaceuticals", config = list())
}
```

---

**gd_company** | **Glassdoor Company Search**

**Description**
Glassdoor Company Search

**Usage**
```
gd_company(query = NULL, ..., location = NULL, city = NULL, state = NULL, country = NULL, page_number = NULL, page_size = NULL)

gd_employer(query = NULL, ..., location = NULL, city = NULL, state = NULL, country = NULL, page_number = NULL, page_size = NULL)

gd_company_df(...)

gd_employer_df(...)```

**Arguments**
- `query`: Additional options to pass to the query other than those specified here
- `location`: arguments to pass to `gd_api`
- `city`: Scope the search to a specific city by specifying it here.
- `state`: Scope the search to a specific state by specifying it here.
country
Scope the search to a specific country by specifying it here.
page_number
Page number to retrieve. Default is 1.
page_size
Page size, i.e. the number of jobs returned on each page of results. Default is 20.

Examples

```r
if (have_gd_tokens()) {

  res = gd_company_df("walmart")
  head(res[, c("id", "name")])
  res = gd_company_df("Target")
  res = gd_company("Dropbox")
}
```

---

**gd_job_prog**

Glassdoor Job Progression

**Description**

Glassdoor Job Progression

**Usage**

```r
gd_job_prog(...) , jobTitle, countryId = 1, query = NULL)
```

**Arguments**

```r
Arguments to pass to gd_api
jobTitle
Job Title - the job title to get related jobs for
countryId
Country Id - only 1 (US) is supported right now.
query
Additional options to pass to the query other than those specified here
```

**Examples**

```r
if (have_gd_tokens()) {

  paste0("&countryId=1&jobTitle=cashier")
  res = gd_job_prog(jobTitle = "cashier", countryId = 1)
}
```
**Description**

Glassdoor Job Stats

**Usage**

```
gd_job_stats(..., query = NULL, employer = NULL, location = NULL,
    city = NULL, state = NULL, country = NULL, fromAge = NULL,
    jobType = NULL, minRating = NULL, radius = NULL,
    job_title = NULL, job_category = NULL, returnCities = NULL,
    returnStates = NULL, returnJobTitles = NULL,
    returnEmployers = NULL, admLevelRequested = NULL)
```

**Arguments**

- `...` arguments to pass to `gd_api`
- `query` Additional options to pass to the query other than those specified here
- `employer` Scope the search to a specific employer by specifying the name here.
- `location` Scope the search to a specific location by specifying it here - city, state, or country.
- `city` Scope the search to a specific city by specifying it here.
- `state` Scope the search to a specific state by specifying it here.
- `country` Scope the search to a specific country by specifying it here.
- `fromAge` Scope the search to jobs that are less than X days old (-1 = show all jobs (default), 1 = 1 day old, 7 = 1 week old, 14 = 2 weeks old, etc.)
- `jobType` Scope the search to certain job types. Valid values are all (default), fulltime, parttime, internship, contract, internship, temporary
- `minRating` Scope the search to jobs of companies with rating >= minRating (0 = returns all (default), 1 = more than 1 star, 2 = more than 2 stars, 3 = more than 3 stars, 4 = more than 4 stars)
- `radius` Scope the search to jobs within a certain radius, in miles, of the location specified.
- `job_title` Scope the search to a specific job title by specifying it here.
- `job_category` Job category id to scope the search to - see the Job Category table below - note you must pass the id. This can be a comma separated list of ids if you desire to select more than one category.
- `returnCities` Results will include geographical data (job counts) broken down by city.
- `returnStates` Results will include geographical data (job counts, score) broken down by the type of geographical district specified in parameter `admLevelRequested`. 
returnJobTitles

Results will include job data broken down by job title.

returnEmployers

Results will include job data broken down by employer.

admLevelRequested

Geographic district type requested when returnStates is true (1 = states, 2 = counties)

Examples

if (have_gd_tokens()) {

paste0("returnStates=true&admLevelRequested=1")
res = gd_job_stats(returnStates = TRUE, admLevelRequested = 1)
}

---

gd_pid

Glassdoor Partner ID

Description

Glassdoor Partner ID

Usage

gd_pid(token = NULL, error = TRUE)
gd_pat(token = NULL, error = TRUE)

have_gd_pid(token = NULL)

have_gd_pat(token = NULL)

have_gd_tokens()

Arguments

token  Partner ID or Authentication token
error   Should the function error if no token specified?

Value

A vector of class character

Examples

if (have_gd_pid()) {
gd_pid()
}
**gd_review**

### Glassdoor Company Search

**Description**

Glassdoor Company Search

**Usage**

```r
gd_review(employer_id, ..., page_number = NULL, page_size = NULL, query = NULL)
```

**Arguments**

- **employer_id**: Glassdoor ID for the company, can be accessed using `gd_company` arguments to pass to `gd_api`
- **page_number**: Page number to retrieve. Default is 1.
- **page_size**: Page size, i.e. the number of jobs returned on each page of results. Default is 20.
- **query**: Additional options to pass to the query other than those specified here

**Examples**

```r
if (have_gd_tokens()) {
  res = gd_review(employer_id = 715) # walmart
}
```

---

**gd_url**

### Glassdoor URL

**Description**

Glassdoor URL

**Usage**

```r
gd_url()
```

**Value**

Object of class character

**Examples**

```r
gd_url()
```
**gd_user_agent** 
*Glassdoor User Agent*

**Description**
Glassdoor User Agent

**Usage**
gd_user_agent()

**Value**
Character vector

**Examples**
gd_user_agent()

---

**get_ip** 
*Get IP Address*

**Description**
Get IP Address

**Usage**
get_ip(agent = gd_user_agent())

**Arguments**
agent 
User Agent for Header

**Value**
Character Vector of IP

**Note**

**Examples**
get_ip()
results

Results of a Glassdoor object

Description
Calculates the results from Glassdoor object

Usage
results(gd, ...)

## Default S3 method:
results(gd, ...)

## S3 method for class 'gd_api'
results(gd, ...)

## S3 method for class 'gd_job_prog'
results(gd, ...)

Arguments
- **gd**: an object for which we want the results, the output from a Glassdoor call
- **...**: Any additional arguments to be passed to results.

Value
A class of gd_job_prog will return a list of progression_table and job_info.

Examples
```r
if (have_gd_tokens()) {
  gd = gd_job_prog(jobTitle = "cashier", countryId = 1)
  res = results(gd)
}
```
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