Package: gradeR (via r-universe)

February 18, 2025

Title Helps Grade Assignment Submissions that are R Scripts

Version 1.0.10

Description After being given the location of your students'
submissions and a test file, the function runs each .R file,
and evaluates the results from all the given tests. Results are
neatly returned in a data frame that has a row for each
student, and a column for each test.

Depends R (>= 3.4)

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Encoding UTF-8

RoxygenNote 7.1.1

Imports testthat, methods, callr, jsonlite

Suggests knitr, rmarkdown

VignetteBuilder knitr

Config/pak/sysreqs make

Repository https://tbrown122387.r-universe.dev

RemoteUrl https://github.com/tbrown122387/grader

RemoteRef HEAD

RemoteSha ae9510a4d3178274b1236e69da065f86e793e9db

Contents

calcGrades   *The grading function.*

Description

This function grades a bunch of R script assignments

Usage

```
calcGrades(
  submission_dir,
  your_test_file,
  suppress_warnings = TRUE,
  verbose = FALSE
)
```

Arguments

submission_dir   where the assignments are located

your_test_file   the path to your testthat test file (e.g. grade_hw1.R)

suppress_warnings

warning handlers prevent code from being run after they catch something. Suppress this behavior by setting this argument to TRUE.

verbose   set to true if you want to print the name of the file as it's being ran

Examples

```
# change paths to *your* paths
submissions <- "extdata/example/assignment1_submissions/"
my_test_file <- system.file("extdata/example", "grade_hw1.R", package = "gradeR")
results <- calcGrades(submissions, my_test_file)
```

---

calcGradesForGradescope
                    The grading function for Gradescope.

Description

This function grades one R script assignment submission and writes results out to a properly-formatted json file for Gradescope.

Usage

```
calcGradesForGradescope(
  submission_file,
  test_file,
  which_results = "gradescope",
  suppress_warnings = TRUE
)
```

Arguments

submission_file

the name of the assignment submission file (e.g. "hw1.r")

test_file   the name of the .r file with test_that tests (e.g. "hw1_tests.R")

which_results   Choose either "testing" or "gradescope" If equal to "gradescope" then the json file is written out to the directory that Gradescope expects. Otherwise, results.json is written to your current working directory.

suppress_warnings

If FALSE, warnings are fatal; if set to TRUE, then warnings will not prematurely terminate running of student submission scripts.

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findBadEncodingFiles   *This function finds unreadable files.*

Description

A function that finds student submissions with poorly encoded characters

Usage

```
findBadEncodingFiles(submission_dir)
```

Arguments

submission_dir   where the assignments are located

Examples

```
# change paths to *your* paths
submissions <- "extdata/assignment1_submissions/"
findBadEncodingFiles(submissions) # perhaps ask these students to resubmit
```

---

findGlobalPaths   *This function finds files with global file paths.*

Description

A function that finds student submissions that refer to machine-specific file paths

Usage

```
findGlobalPaths(submission_dir)
```

Arguments

submission_dir   where the assignments are located

Examples

```
# change paths to *your* paths
submissions <- "extdata/assignment1_submissions/"
findGlobalPaths(submissions) # perhaps ask these students to resubmit
```

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