Workflow for Automated Handling of Multiple Submission Emails

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Setup

```
library(yOUrEmail)
library(tidyverse)
library(magrittr)

# Authenticate & get Outlook Environment
outlook <- Microsoft365R::get_business_outlook()
```

Retrieve All Submissions

Goal

Retrieve all new (i.e., unread) emails from the submission system.

Requirements

Execution

- `outlook`: pass down the outlook environment retrieved during successful authentication
- `submissions_folder`: specify the folder where the submissions are received. Some teachers have automated rules set-up which move the submissions to a different *outlook* folder (e.g., 'Nakijken'). If this is the case, specify the exact name of that folder.
- `submissions_email`: built-in option to allow for upcoming changes to the submissions system which will send the submissions from a different emailadres. Defaults to `submit@oupsy.nl`
- `email_status`: unread/read/all; only parse emails which meet the specified `status`.

```r
submissions <- get_submissions(outlook,
  submissions_folder = "Nakijken",
  submissions_email = "submit@oupsy.nl",
  email_status = "unread"
)
```

Expected Behavior

- Retrieve a list of emails with class `ms_outlook_email`

Development To Do's

- *None*

Multi Email Workflow

Goal

Process all the new submissions as part of an `apply` loop. For explanations of the individual processing steps see the vignette `single-email`.

Requirements

- Authorization (see above)
- All submissions (see above)

Execution

```r
lapply(
  X = submissions,
  FUN = function(email) {
    # Get information from the submission email
    submission_info <-
      get_submission_info(
        email = email,
        n_workdays = 20
      )

    # Create File Structure
    student_folder <-
      create_folder_structure(submission_info,
        grading_folder = "Ingeleverde Opdrachten"
      )
```

```r
    # Download Attachments
    download_attachments(
      email,
      student_folder
    )

    # Add grading forms
    move_grading_form(student_folder,
      submission_info,
      grading_form_folder = "Beoordelingsformulieren"
    )

    # Update submission overview
    update_submission_overview(submission_info,
      submission_overview = here::here("NakijkOverzicht.xlsx")
    )

    # Mark email as processed
    invisible(email$update("isRead" = TRUE))

    # Send Confirmation email
    invisible(send_confirmation_email(outlook,
      submission_info,
      email,
      teacher_name = "Sally"
    ))
  }
)
```

Expected Behavior

Process all new submissions according to the steps outlined in the `single-email` vignette.

Development To Do's

1. Showcase as part of an automated workflow (e.g., execution once a day).