

RPA Challenge - Fresh news

Overview

Our mission is to enable all people to do the best work of their lives—the first act in achieving that mission is to help companies automate tedious but critical business processes. This RPA challenge should showcase your ability to build a bot for purposes of process automation.

The Challenge

Your challenge is to automate the process of extracting data from the news site. Link to the news site: www.nytimes.com

You must have 3 configured variables (you can save them in the configuration file, but it is better to put them to the Robocorp Cloud [Work Items](#)):

- search phrase
- news category or section
- number of months for which you need to receive news

Example of how this should work: 0 or 1 - only the current month, 2 - current and previous month, 3 - current and two previous months, and so on.

The main steps:

1. Open the site by following the link
2. Enter a phrase in the search field
3. On the result page, apply the following filters:
 - select a news category or section
your automation should have the option to choose from none to any number of categories/sections. This should be specified via the config file or/and Robocorp Cloud Work Items


- choose the latest (i.e., newest) news
- 4. Get the values: title, date, and description.
- 5. Store in an Excel file:
 - title
 - date
 - description (if available)
 - picture filename
 - count of search phrases in the title and description
 - True or False, depending on whether the title or description contains any amount of money
 - Possible formats: \$11.1 | \$111,111.11 | 11 dollars | 11 USD
- 6. Download the news picture and specify the file name in the Excel file
- 7. Follow steps 4-6 for all news that falls within the required time period

Specifically, we will be looking for the following in your submission:

1. Quality code Your code is clean, maintainable, and well-architected. The use of an object-oriented model is preferred.
2. Resiliency Your architecture is fault-tolerant and can handle failures both at the application level and website level.
3. Best practices Your implementation follows best RPA practices.

Please leverage pure Python

Please use pure Python (as demonstrated [here](#)) and pure Selenium (via [rpaframework](#)) without utilizing Robot Framework.

 While APIs and Web Requests are possible, the focus is on RPA skill sets, so please do not use APIs or Web Requests for this exercise.

★ Bonus

Have fun with this challenge and express yourself. While the primary goal of this challenge is to assess your technical skills, we also love to see a sense of passion, creativity, and personality.

🙏 PRs Welcome

Feel free to offer suggestions and feedback on this exercise. Our challenges and products are always improving.

🤖 Robocorp Robot Name

Please name the organization your name or your company's name, and the robot name your first and last name.
