

ARTIFICIAL INTELLIGENCE - DETAILS

Subtitle: Automatize the impossible!

Talking through API is easy. But interacting with messy websites is a ... mess. Create an agent that will allow you to interact with a given URL.

Description:

In the digital age, automation through APIs is common and straightforward. However, many websites remain difficult to navigate, especially when they lack proper APIs, making it challenging to extract information or perform specific actions. These websites can be cluttered with unstructured data, outdated designs, or unpredictable layouts, posing significant obstacles to automation.

The goal of this challenge is to develop a solution that allows seamless interaction with websites, even without an API. Your task is to create an agent that can effectively interact with a given URL to complete tasks such as extracting information, submitting forms, or performing other actions that would usually require human intervention.

Your agent shall solve the problem of interacting with the website, i.e.

- Find me a phone number for the company.
- Check who the owner is and if such a company exists.
- Log in to the website.
- Fill out the form or support request.

Examples of use of the tool:

- Change your password on any website.
- Add a new RSS stream to a website that is an rss reader.
- Get "unread messages" from the RSS reader.

Let's automatize even without API!

Important Details:

- **Prize:** The total prize for this category is 20000 PLN.
- **Extra prize:** the creators of AI_Devs 3 will invite members of the winning team to take part in the 3rd edition of the course!
- **No Coding Required:** You can submit just ideas, presentations, or any other form of a project you choose. Be creative and showcase your solution in a way that best demonstrates its capabilities.
- **Using Existing Resources:** You are allowed to utilize existing repositories, materials, or other resources in your project. Proper citations are required if you build on existing work.

Submission Requirements:

The task submitted for evaluation **must** include the following:

- **Project Title**
- **Team Name**
- **Team Members**
- **Project Description**
- **A maximum of 10-slide PDF presentation**

The task submitted for evaluation **may** also include:

- Snapshots
- Code repository
- Demo links
- Graphic materials
- Other materials related to the project

All submissions should be uploaded to the **Challenge Rocket** platform and may be in either **Polish or English**.

Judging Criteria:

1. **Idea & Innovation:**
 - How original is the concept? Does it offer a creative solution to the challenges posed by messy websites? The most innovative projects will redefine what's possible without APIs.
2. **Relation to the Task:**
 - How well does the project address the problem of website interaction? The project should directly tackle issues such as data extraction, form submission, or task automation.
3. **Practical Applicability / Usability:**
 - How feasible is the project in real-world scenarios? Can the agent easily be adapted to various websites, regardless of their complexity? Projects with clear, practical value will score higher.
4. **Design:**
 - Is the solution user-friendly and intuitive? The agent should have a clear design that simplifies interaction and enhances user experience, despite the complexity of the websites it interacts with.
5. **Completeness & Implementation Value:**
 - How complete is the project? Whether it's just an idea or a fully functional prototype, the submission should demonstrate a strong vision and practical

value. The more detailed and executable the project, the higher it will be rated.

Who Should Participate: This challenge is open to developers, data scientists, designers, and anyone interested in creating automation tools for unstructured and complex web environments. Multidisciplinary teams are encouraged to collaborate, combining skills in data extraction, machine learning, and web development to craft impactful solutions.