



Technical Assessment – DevOps Junior

1. Context

The Fictional Driving License Authority of Cluj wants to **automate** the process of reporting certain **statistics** from their database.

The Authority has provided us with a **Docker image** of their own API developed in **Java - SpringBoot** with two endpoints through which we can extract the necessary data.

Endpoints:

- GET - "/" - text/html
This endpoint returns **short theoretical questions** related to DevOps.
- GET - "/drivers-licenses/list" - application/json
This endpoint returns a list of **30 objects** in the following format:

```
permis_de_conducere = {  
    "id": "int",  
    "nume": "string",  
    "prenume": "string",  
    "categorie": "string",  
    "data_de_emitere": "string",  
    "data_de_expirare": "string",  
    "suspedat": false|true  
}
```

*Note:

- It also supports **query parameters**:
"length": "int" - the number of resources returned
- The endpoint generates **different** values for each request.

2. Requirements

*Note: Document the steps you take in a Word/txt/etc. file.

- To access these endpoints, you will need to run the following Docker image, binding to **port 30000** through the standard Java-SpringBoot port:

yondermakers/yonder-devops-tech-assessment:latest (intel cpu)

or

yondermakers/yonder-devops-tech-assessment-arm-cpu:latest (apple cpu)

- In the Word/txt document, answer the questions located at "/".
- Using a **Python OOP console application**, consume 150 data points from the API and create methods for the following requirements of the authority:

1. List suspended licenses by the authority.
2. Extract valid licenses issued until today's date.
3. Find licenses based on category and their count (e.g., A1 => 4, B => 6 ...).

P.S.: The authority's employee will input the operation ID from the keyboard.

- All data according to the operation's purpose should generate a valid file type for **Microsoft Excel** to make it easier for its employees to read.