Intorduction

This assessment is designed to help you practice your data parsing and feature engineering skills. You will be given a dataset called data.csv that contains three columns: id, application_date, and contracts. The contracts column is a JSON string that contains information about the contracts that a customer has signed up for. Your task is to parse this JSON string and calculate a set of features from it.

Data

The data.csv file contains the following columns:

- id: The unique identifier for the row.
- application_date: The start date of the application.
- contracts: A JSON string that contains information about the contracts that a customer has signed up for. You must analyze JSON data format yourself.

Deliverables

- Code/script files: Provide the script or code (e.g., Python script, Jupyter notebook) that performs the necessary parsing and feature calculation.
- Output dataset: Share the resulting dataset in csv file that includes the calculated features as columns. Please name it as contract_features.csv.

Additional Notes

- You can modify the assessment to calculate more features.
- You can only use python for this assessment.
- You can find the definitions of the features in the features.xlsx file.

Submission

You must share a link to a version-controlled repository (e.g., GitHub).