1. Install dependencies:

*pip install great\_expectations*

*pip install pyspark*

*pip install google-cloud-storage google-cloud-secret-manager*

*pip install azure-storage-blob azure-identity azure-keyvault-secrets*

*pip install sqlalchemy==1.4.22*

*pip install pyodbc*

1. Initialize great expectation progect

*great\_expectations init*

1. Create code for HW task. You can find it in main.py file of the project
2. Some explanation of Data docks: you can find it in great\_expectations\uncommitted\data\_docs\local\_site\index.html. It is really to easy use it. We can check all previous validation runs and filter results by status, run time and so on. Also we can find link to Expectation Suites.
3. In my case I tried several times to change data, so there are 3 failed runs:

Graphical user interface, text, application, email

Description automatically generated