

DOC Report Generator Project

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(Built with Python, API & DOCX
Automation)

Project Overview

- • Fetches data from a public API
- • Converts JSON data into formatted DOCX report
- • Uses python-docx and requests
- • Fully automated report generation


API Usage Flow


- 1. APIClient sends GET request to API
- 2. JSON data received
- 3. transform_api_json_to_items converts JSON → objects
- 4. ReportGenerator creates DOCX using python-docx






Code Structure Overview

- • `api_client.py` → Handles API calls
- • `report_generator.py` → Builds DOCX report
- • `utils.py` → Transforms JSON into structured items
- • `main.py` → Connects everything & runs the process

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