

API testing

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Test cases

What to test

TODO: *Explain what you would test*

- HTTP status codes
- Response headers
- Response payload
- Error codes
- Positive and negative test cases
- Valid and invalid inputs
- Requests in isolation
- Workflows containing several requests
- E.g. create employee, update employee data, get employee data, delete employee

Top 5 test cases

TODO: *Choose your top 5-6 top test cases and explain why you prioritised those*

Automating the tests

Chosen tools

Python was chosen as the tool for this assignment, with pytest as the testing framework and requests as the HTTP library.

Python is very easily extensible. It gives us the flexibility to combine the API testing with other types of testing, for example GUI testing if needed. Both `pytest` and `requests` are very commonly used and easy to get started with.

Running the tests

TODO: *Automate one or more of those top test cases in your chosen language/using chosen tools*

Requirements

Python version 3.9+

Required Python dependencies are listed in the `requirements.txt` file. These need to be installed before running the program. This can be done by running the following command:

```
pip install -r requirements.txt
```

(Using a virtual environment is highly recommended!)

Usage

```
pytest test_dummy_api.py
```