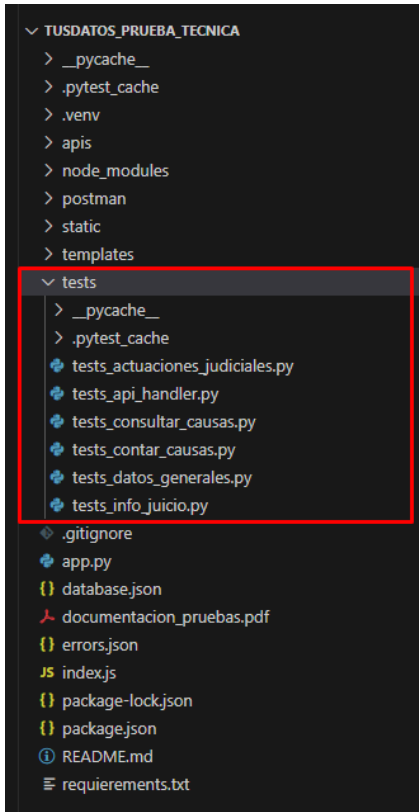


Tests de código.

Para esta actividad, se creó un directorio llamado tests, allí se crearon scripts para realizar pruebas de código a los módulos correspondientes:



Al ejecutar los tests, se obtienen los siguientes resultados:

tests_info_juicio:

```
(.venv) PS C:\Users\jeiso\OneDrive\Documents\tusdatos_prueba_tecnica\tests> pytest .\tests_info_juicio.py -v
===== test session starts =====
platform win32 -- Python 3.11.0, pytest-8.1.1, pluggy-1.4.0 -- c:\Users\jeiso\OneDrive\Documents\tusdatos_prueba_tecnica\.venv\Scripts\python.exe
cachedir: .pytest_cache
rootdir: C:\Users\jeiso\OneDrive\Documents\tusdatos_prueba_tecnica\tests
collected 1 item

tests_info_juicio.py::test_info_juicio PASSED [100%]

===== 1 passed in 0.73s =====
```

tests_datos_generales

```
• (.venv) PS C:\Users\jeiso\OneDrive\Documents\tusdatos_prueba_tecnica\tests> pytest .\tests_datos_generales.py -v
===== test session starts =====
platform win32 -- Python 3.11.0, pytest-8.1.1, pluggy-1.4.0 -- c:\Users\jeiso\OneDrive\Documents\tusdatos_prueba_tecnica\.venv\Scripts\python.exe
cachedir: .pytest_cache
rootdir: C:\Users\jeiso\OneDrive\Documents\tusdatos_prueba_tecnica\tests
collected 1 item

tests_datos_generales.py::tests_datos_generales PASSED [100%]

===== 1 passed in 0.53s =====
```

tests_contar_causas

```
• (.venv) PS C:\Users\jeiso\OneDrive\Documents\tusdatos_prueba_tecnica\tests> pytest .\tests_contar_causas.py -v
===== test session starts =====
platform win32 -- Python 3.11.0, pytest-8.1.1, pluggy-1.4.0 -- c:\Users\jeiso\OneDrive\Documents\tusdatos_prueba_tecnica\.venv\Scripts\python.exe
cachedir: .pytest_cache
rootdir: C:\Users\jeiso\OneDrive\Documents\tusdatos_prueba_tecnica\tests
collected 2 items

tests_contar_causas.py::test_contar_causas_demandado PASSED [ 50%]
tests_contar_causas.py::test_contar_causas_demandante PASSED [100%]

===== 2 passed in 1.34s =====
```

tests_consultar_causas

```
• (.venv) PS C:\Users\jeiso\OneDrive\Documents\tusdatos_prueba_tecnica\tests> pytest .\tests_consultar_causas.py -v
===== test session starts =====
platform win32 -- Python 3.11.0, pytest-8.1.1, pluggy-1.4.0 -- c:\Users\jeiso\OneDrive\Documents\tusdatos_prueba_tecnica\.venv\Scripts\python.exe
cachedir: .pytest_cache
rootdir: C:\Users\jeiso\OneDrive\Documents\tusdatos_prueba_tecnica\tests
collected 2 items

tests_consultar_causas.py::test_contar_causas_demandado PASSED [ 50%]
tests_consultar_causas.py::test_consultar_causas_demandante PASSED [100%]

===== 2 passed in 1.45s =====
```

tests_api_handler

```
• (.venv) PS C:\Users\jeiso\OneDrive\Documents\tusdatos_prueba_tecnica\tests> pytest .\tests_api_handler.py -v
===== test session starts =====
platform win32 -- Python 3.11.0, pytest-8.1.1, pluggy-1.4.0 -- c:\Users\jeiso\OneDrive\Documents\tusdatos_prueba_tecnica\.venv\Scripts\python.exe
cachedir: .pytest_cache
rootdir: C:\Users\jeiso\OneDrive\Documents\tusdatos_prueba_tecnica\tests
collected 2 items

tests_api_handler.py::tests_query_demandado PASSED [ 50%]
tests_api_handler.py::tests_query_demandante PASSED [100%]

===== 2 passed in 140.80s (0:02:20) =====
```

tests_actuaciones_judiciales

```
• (.venv) PS C:\Users\jeiso\OneDrive\Documents\tusdatos_prueba_tecnica\tests> pytest .\tests_actuaciones_judiciales.py -v
===== test session starts =====
platform win32 -- Python 3.11.0, pytest-8.1.1, pluggy-1.4.0 -- c:\Users\jeiso\OneDrive\Documents\tusdatos_prueba_tecnica\.venv\Scripts\python.exe
cachedir: .pytest_cache
rootdir: C:\Users\jeiso\OneDrive\Documents\tusdatos_prueba_tecnica\tests
collected 1 item

tests_actuaciones_judiciales.py::test_info_juicio PASSED [100%]

===== 1 passed in 0.53s =====
```

De forma similar, se forzó un error de red para validar que los tests reportan correctamente los casos no favorables:

Este es un ejemplo con el caso de prueba **tests_consultar_causas**:

```
def request(method,url,headers,payload):
    for attempt in range(max_attempts):
        try:
            response = requests.request(method, url, headers=headers, data=payload, timeout=3, proxies=proxies)
            if response.status_code in [500,502,503,504]:
                # Retry request
                continue
            else:
                if attempt > 0:
                    print(f'Ready in attempt: {attempt+1}')
                    break
        except Exception as e:
            print(f'Exteption {e}')
            if attempt == max_attempts-1:
                error_log = {'timestamp':str(datetime.now()),'url': url, "server_response": response.text, "exception": str(e)}
>
E       AttributeError: module 'datetime' has no attribute 'now'

..\apis\custom_requests.py:22: AttributeError
----- Captured stdout call -----
Exteption HTTPSConnectionPool(host='api.funcionjudicial.gob.ec', port=443): Max retries exceeded with url: /EXPEL-CONSULTA-CAUSAS-SERVICE/api/cons
ulta-causas/informacion/buscarCausas?size=157 (Caused by NameResolutionError("<urllib3.connection.HTTPSConnection object at 0x00000265E4965D90>: F
ailed to resolve 'api.funcionjudicial.gob.ec' ([Errno 11001] getaddrinfo failed)"))
Exteption HTTPSConnectionPool(host='api.funcionjudicial.gob.ec', port=443): Max retries exceeded with url: /EXPEL-CONSULTA-CAUSAS-SERVICE/api/cons
ulta-causas/informacion/buscarCausas?size=157 (Caused by NameResolutionError("<urllib3.connection.HTTPSConnection object at 0x00000265E49576D0>: F
ailed to resolve 'api.funcionjudicial.gob.ec' ([Errno 11001] getaddrinfo failed)"))
Exteption HTTPSConnectionPool(host='api.funcionjudicial.gob.ec', port=443): Max retries exceeded with url: /EXPEL-CONSULTA-CAUSAS-SERVICE/api/cons
ulta-causas/informacion/buscarCausas?size=157 (Caused by NameResolutionError("<urllib3.connection.HTTPSConnection object at 0x00000265E4807B50>: F
ailed to resolve 'api.funcionjudicial.gob.ec' ([Errno 11001] getaddrinfo failed)"))
Exteption HTTPSConnectionPool(host='api.funcionjudicial.gob.ec', port=443): Max retries exceeded with url: /EXPEL-CONSULTA-CAUSAS-SERVICE/api/cons
ulta-causas/informacion/buscarCausas?size=157 (Caused by NameResolutionError("<urllib3.connection.HTTPSConnection object at 0x00000265E4804A90>: F
ailed to resolve 'api.funcionjudicial.gob.ec' ([Errno 11001] getaddrinfo failed)"))
Exteption HTTPSConnectionPool(host='api.funcionjudicial.gob.ec', port=443): Max retries exceeded with url: /EXPEL-CONSULTA-CAUSAS-SERVICE/api/cons
ulta-causas/informacion/buscarCausas?size=157 (Caused by NameResolutionError("<urllib3.connection.HTTPSConnection object at 0x00000265E4807790>: F
ailed to resolve 'api.funcionjudicial.gob.ec' ([Errno 11001] getaddrinfo failed)"))
===== short test summary info =====
FAILED tests_consultar_causas.py::test_contar_causas_demandado - AttributeError: module 'datetime' has no attribute 'now'
FAILED tests_consultar_causas.py::test_consultar_causas_demandante - AttributeError: module 'datetime' has no attribute 'now'
===== 2 failed in 0.75s =====
```

Finalmente, se actualizó la lista de requirements.txt para incluir las nuevas dependencias.