

# Actividad 6.2 Ejercicio de programación 3 y pruebas de unidad

Karen Lizette Rodríguez Hernández

A01197734

## Pylint

### Prueba 1

```
PS C:\Users\User\Documents\Karen\MNA\5 Trimestre\Pruebas\Tareas_Pruebas_y_Calidad\6.2> python -m pylint .
***** Module main
main.py:4:0: C0304: Final newline missing (missing-final-newline)
***** Module models.customer
models\customer.py:49:0: C0304: Final newline missing (missing-final-newline)
***** Module models.hotel
models\hotel.py:72:0: C0304: Final newline missing (missing-final-newline)
models\hotel.py:3:0: W0611: Unused List imported from typing (unused-import)
***** Module models.reservation
models\reservation.py:44:0: C0304: Final newline missing (missing-final-newline)
***** Module storage.file_manager
storage\file_manager.py:27:0: C0304: Final newline missing (missing-final-newline)
***** Module tests.test_customer
tests\test_customer.py:42:0: C0304: Final newline missing (missing-final-newline)
***** Module tests.test_hotel
tests\test_hotel.py:80:0: C0304: Final newline missing (missing-final-newline)
tests\test_hotel.py:3:0: W0611: Unused import os (unused-import)
***** Module tests.test_reservation
tests\test_reservation.py:60:0: C0304: Final newline missing (missing-final-newline)

-----
Your code has been rated at 9.52/10

PS C:\Users\User\Documents\Karen\MNA\5 Trimestre\Pruebas\Tareas_Pruebas_y_Calidad\6.2> █
```

### Prueba 2

```
PS C:\Users\User\Documents\Karen\MNA\5 Trimestre\Pruebas\Tareas_Pruebas_y_Calidad\6.2> python -m pylint .
-----
Your code has been rated at 10.00/10 (previous run: 9.52/10, +0.48)

PS C:\Users\User\Documents\Karen\MNA\5 Trimestre\Pruebas\Tareas_Pruebas_y_Calidad\6.2> █
```

## Flake 8

### Prueba 1

```
PS C:\Users\User\Documents\Karen\MNA\5 Trimestre\Pruebas\Tareas_Pruebas_y_Calidad\6.2> python -m flake8 .
PS C:\Users\User\Documents\Karen\MNA\5 Trimestre\Pruebas\Tareas_Pruebas_y_Calidad\6.2> █
```

# Code Coverage

```
PS C:\Users\User\Documents\Karen\MNA\5 Trimestre\Pruebas\Tareas_Pruebas_y_Calidad\6.2> python -m coverage run -m unittest discover -s tests
....Error: Invalid JSON format in data/hotels.json.
.....
-----
Ran 16 tests in 0.134s

OK
PS C:\Users\User\Documents\Karen\MNA\5 Trimestre\Pruebas\Tareas_Pruebas_y_Calidad\6.2> python -m coverage report -m
Name                               Stmts  Miss  Cover   Missing
-----
models\customer.py                  28      2    93%    46-47
models\hotel.py                     45      3    93%    54-55, 72
models\reservation.py               19      0   100%
storage\file_manager.py             18      2    89%    17-18
tests\test_customer.py              23      0   100%
tests\test_hotel.py                 46      0   100%
tests\test_reservation.py           36      0   100%
-----
TOTAL                               215      7    97%
PS C:\Users\User\Documents\Karen\MNA\5 Trimestre\Pruebas\Tareas_Pruebas_y_Calidad\6.2> █
```

# Pruebas

```
PS C:\Users\User\Documents\Karen\MNA\5 Trimestre\Pruebas\Tareas_Pruebas_y_Calidad\6.2> python -m unittest discover -s tests -v
test_create_customer_valid (test_customer.TestCustomer.test_create_customer_valid)
Test valid customer. ... ok
test_display_customer_not_found (test_customer.TestCustomer.test_display_customer_not_found)
Negative test: customer not found. ... ok
test_duplicate_customer (test_customer.TestCustomer.test_duplicate_customer)
Negative test: duplicate ID. ... ok
test_invalid_email (test_customer.TestCustomer.test_invalid_email)
Negative test: invalid email. ... ok
test_corrupted_json_file (test_hotel.TestHotel.test_corrupted_json_file)
Negative test: corrupted JSON. ... Error: Invalid JSON format in data/hotels.json.
ok
test_create_hotel_negative_rooms (test_hotel.TestHotel.test_create_hotel_negative_rooms)
Negative test: invalid room number. ... ok
test_create_hotel_valid (test_hotel.TestHotel.test_create_hotel_valid)
Test valid hotel creation. ... ok
test_delete_hotel (test_hotel.TestHotel.test_delete_hotel)
Test deleting hotel. ... ok
test_display_hotel_not_found (test_hotel.TestHotel.test_display_hotel_not_found)
Negative test: hotel does not exist. ... ok
test_duplicate_hotel_id (test_hotel.TestHotel.test_duplicate_hotel_id)
Negative test: duplicate ID. ... ok
test_reserve_room_no_availability (test_hotel.TestHotel.test_reserve_room_no_availability)
Negative test: no rooms available. ... ok
test_reserve_room_success (test_hotel.TestHotel.test_reserve_room_success)
Test reserving a room. ... ok
test_cancel_reservation_not_found (test_reservation.TestReservation.test_cancel_reservation_not_found)
Negative test: reservation not found. ... ok

test_cancel_reservation_valid (test_reservation.TestReservation.test_cancel_reservation_valid)
Test cancel reservation. ... ok
test_create_reservation_valid (test_reservation.TestReservation.test_create_reservation_valid)
Test valid reservation. ... ok
test_reservation_no_rooms (test_reservation.TestReservation.test_reservation_no_rooms)
Negative test: no availability. ... ok

-----
Ran 16 tests in 0.149s

OK
PS C:\Users\User\Documents\Karen\MNA\5 Trimestre\Pruebas\Tareas Pruebas y Calidad\6.2> █
```