



# **Tecnológico de Monterrey**

**Instituto Tecnológico y de Estudios Superiores de Monterrey**

**TC4017.10 Pruebas de software y aseguramiento de la calidad**

**Profesor titular: Dr. Gerardo Padilla Zárate**

**Profesor tutor: Rafael Enrique Mendoza Crespo**

**Actividad 6.2 Ejercicio de programación 3 y pruebas de unidad**

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## Pylint

```
PS D:\TEC DE MONTERREY MATERIAS\PRUEBAS DE SOFTWARE Y ASEGURAMIENTO DE LA CALIDAD\A00822314_A6.2> pylint .
```

```
-----  
Your code has been rated at 10.00/10 (previous run: 10.00/10, +0.00)
```

## Flake8

```
PS D:\TEC DE MONTERREY MATERIAS\PRUEBAS DE SOFTWARE Y ASEGURAMIENTO DE LA CALIDAD\A00822314_A6.2> flake8  
PS D:\TEC DE MONTERREY MATERIAS\PRUEBAS DE SOFTWARE Y ASEGURAMIENTO DE LA CALIDAD\A00822314_A6.2> █
```

## Unittest

```
(venv) PS D:\TEC DE MONTERREY MATERIAS\PRUEBAS DE SOFTWARE Y ASEGURAMIENTO DE LA CALIDAD\A00822314_A6.2> python -m unittest discover -s tests -p '*_test.py' -v  
test_create_customer (customer_test.TestCustomer) ... ok  
test_create_customer_hotel_not_found (customer_test.TestCustomer) ... ok  
test_delete_customer (customer_test.TestCustomer) ... ok  
test_delete_customer_not_found (customer_test.TestCustomer) ... ok  
test_display_customer_info (customer_test.TestCustomer) ... ok  
test_display_customer_info_not_found (customer_test.TestCustomer) ... ok  
test_modify_customer_info (customer_test.TestCustomer) ... ok  
test_modify_customer_info_not_found (customer_test.TestCustomer) ... ok  
test_cancel_reservation_hotel_not_found (hotel_test.TestHotelCancelReservation) ... ok  
test_cancel_reservation_not_found (hotel_test.TestHotelCancelReservation) ... ok  
test_cancel_reservation_success (hotel_test.TestHotelCancelReservation) ... ok  
test_create_hotel (hotel_test.TestHotelCreation) ... ok  
test_json_creation (hotel_test.TestHotelCreation) ... ok  
test_delete_hotel (hotel_test.TestHotelDeletion) ... ok  
test_delete_hotel_not_found (hotel_test.TestHotelDeletion) ... ok  
test_hotel_info (hotel_test.TestHotelInfo) ... ok  
test_hotel_info_not_found (hotel_test.TestHotelInfo) ... ok  
test_modify_hotel (hotel_test.TestHotelModification) ... ok  
test_modify_hotel_not_found (hotel_test.TestHotelModification) ... ok  
test_reserve_room (hotel_test.TestHotelReservation) ... ok  
test_reserve_room_hotel_not_exist (hotel_test.TestHotelReservation) ... ok  
test_reserve_room_no_single_available (hotel_test.TestHotelReservation) ... ok  
test_cancel_reservation_hotel_not_found (reservation_test.TestReservation) ... ok  
test_cancel_reservation_not_found (reservation_test.TestReservation) ... ok  
test_cancel_reservation_success (reservation_test.TestReservation) ... ok  
test_create_reservation (reservation_test.TestReservation) ... ok  
test_create_reservation_hotel_not_found (reservation_test.TestReservation) ... ok  
test_create_reservation_no_room_available (reservation_test.TestReservation) ... ok  
-----  
Ran 28 tests in 0.035s  
  
OK
```

## Coverage

```
(venv) PS D:\TEC DE MONTERREY MATERIAS\PRUEBAS DE SOFTWARE Y ASEGURAMIENTO DE LA CALIDAD\A00822314_A6.2> coverage run -m unittest discover -s tests -p '*_test.py' -v
test_create_customer (customer_test.TestCustomer) ... ok
test_create_customer_hotel_not_found (customer_test.TestCustomer) ... ok
test_delete_customer (customer_test.TestCustomer) ... ok
test_delete_customer_not_found (customer_test.TestCustomer) ... ok
test_display_customer_info (customer_test.TestCustomer) ... ok
test_display_customer_info_not_found (customer_test.TestCustomer) ... ok
test_modify_customer_info (customer_test.TestCustomer) ... ok
test_modify_customer_info_not_found (customer_test.TestCustomer) ... ok
test_cancel_reservation_hotel_not_found (hotel_test.TestHotelCancelReservation) ... ok
test_cancel_reservation_not_found (hotel_test.TestHotelCancelReservation) ... ok
test_cancel_reservation_success (hotel_test.TestHotelCancelReservation) ... ok
test_create_hotel (hotel_test.TestHotelCreation) ... ok
test_json_creation (hotel_test.TestHotelCreation) ... ok
test_delete_hotel (hotel_test.TestHotelDeletion) ... ok
test_delete_hotel_not_found (hotel_test.TestHotelDeletion) ... ok
test_hotel_info (hotel_test.TestHotelInfo) ... ok
test_hotel_info_not_found (hotel_test.TestHotelInfo) ... ok
test_modify_hotel (hotel_test.TestHotelModification) ... ok
test_modify_hotel_not_found (hotel_test.TestHotelModification) ... ok
test_reserve_room (hotel_test.TestHotelReservation) ... ok
test_reserve_room_hotel_not_exist (hotel_test.TestHotelReservation) ... ok
test_reserve_room_no_single_available (hotel_test.TestHotelReservation) ... ok
test_cancel_reservation_hotel_not_found (reservation_test.TestReservation) ... ok
test_cancel_reservation_not_found (reservation_test.TestReservation) ... ok
test_cancel_reservation_success (reservation_test.TestReservation) ... ok
test_create_reservation (reservation_test.TestReservation) ... ok
test_create_reservation_hotel_not_found (reservation_test.TestReservation) ... ok
test_create_reservation_no_room_available (reservation_test.TestReservation) ... ok

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Ran 28 tests in 0.052s

OK
(venv) PS D:\TEC DE MONTERREY MATERIAS\PRUEBAS DE SOFTWARE Y ASEGURAMIENTO DE LA CALIDAD\A00822314_A6.2> coverage report
Name                               Stmts   Miss  Cover
-----
categories\__init__.py              2      0   100%
categories\customer.py              57      0   100%
categories\hotel.py                 119     12    90%
categories\reservation.py           41      3    93%
tests\customer_test.py              36      0   100%
tests\hotel_test.py                 94      0   100%
tests\reservation_test.py           36      0   100%
utilities\json_data_handler.py      10      0   100%
-----
TOTAL                               395     15    96%
```