

Pruebas de software y aseguramiento de la calidad

6.2 Ejercicio de programación 3 y pruebas de unidad

Nancy Elena Estanislao Lizárraga	A01169334
----------------------------------	-----------

Profesor asistente:
Dr. Gerardo Padilla Zárate

Profesor titular:
Mtra. Yetnalezi Quintas Ruiz

Instituto Tecnológico y de Estudios Superiores de Monterrey

Maestría en Inteligencia Artificial Aplicada

18 de febrero del 2024

Reporte Pylint

```
[(base) nestanislao@MacBook-Pro Semana6 % pylint hotel.py
***** Module hotel
hotel.py:54:58: C0103: Variable name "f" doesn't conform to snake_case naming style (invalid-name)
hotel.py:50:4: R0201: Method could be a function (no-self-use)
hotel.py:63:4: R0201: Method could be a function (no-self-use)
hotel.py:72:4: C0103: Argument name "dt" doesn't conform to snake_case naming style (invalid-name)

-----
Your code has been rated at 9.20/10

[(base) nestanislao@MacBook-Pro Semana6 % pylint reservation.py
***** Module reservation
reservation.py:57:58: C0103: Variable name "f" doesn't conform to snake_case naming style (invalid-name)
reservation.py:53:4: R0201: Method could be a function (no-self-use)
reservation.py:66:4: R0201: Method could be a function (no-self-use)
reservation.py:76:4: C0103: Argument name "dt" doesn't conform to snake_case naming style (invalid-name)
reservation.py:104:8: C0103: Variable name "d1" doesn't conform to snake_case naming style (invalid-name)
reservation.py:105:8: C0103: Variable name "d2" doesn't conform to snake_case naming style (invalid-name)

-----
Your code has been rated at 9.02/10

[(base) nestanislao@MacBook-Pro Semana6 % pylint test_code.py

-----
Your code has been rated at 10.00/10

[(base) nestanislao@MacBook-Pro Semana6 % pylint tools.py

-----
Your code has been rated at 10.00/10

[(base) nestanislao@MacBook-Pro Semana6 %
[(base) nestanislao@MacBook-Pro Semana6 % pylint customer.py
***** Module customer
customer.py:54:58: C0103: Variable name "f" doesn't conform to snake_case naming style (invalid-name)
customer.py:50:4: R0201: Method could be a function (no-self-use)
customer.py:63:4: R0201: Method could be a function (no-self-use)
customer.py:73:4: C0103: Argument name "dt" doesn't conform to snake_case naming style (invalid-name)

-----
Your code has been rated at 9.05/10

[(base) nestanislao@MacBook-Pro Semana6 % _
```

Reporte Flake8

```
[(base) nestanislao@MacBook-Pro Semana6 % flake8 customer.py
[(base) nestanislao@MacBook-Pro Semana6 % flake8 hotel.py
[(base) nestanislao@MacBook-Pro Semana6 % flake8 reservation.py
[(base) nestanislao@MacBook-Pro Semana6 % flake8 test_code.py
[(base) nestanislao@MacBook-Pro Semana6 % flake8 tools.py
(base) nestanislao@MacBook-Pro Semana6 % █
```

Reporte unittest

```
(base) nestanislao@MacBook-Pro Semana6 % python3 -m coverage run -m unittest
Trying to delete the Client 1
Cleaning Customer Information
```

.Before modifying
Cliente 'Name 1': Lastname 1 - 11/04/2001
After modifying
Cliente 'Now you are TESTING': Lastname 1 - 11/04/2001
Cleaning Customer Information
.Customer registration 99999 not found.
Cleaning Customer Information
.Client 9999 no found, could not be loaded.
Cleaning Customer Information
.Cliente 'Name 3': Lastname 3 - 13/06/2003
Cleaning Customer Information
.Cleaning Customer Information
.Creating Hotel 1 - Test0
Creating Hotel 2 - Test1
Creating Hotel 3 - Test2
Creating Hotel 4 - Test3
Creating Hotel 1 - Test0
Borrando Hotel 1 - Test0
Trying to delete the Hotel 1
Creating Hotel 2 - Test1
Borrando Hotel 2 - Test1
Creating Hotel 3 - Test2
Borrando Hotel 3 - Test2
Creating Hotel 4 - Test3
Borrando Hotel 4 - Test3
Cleaning Hotel information
.Creating Hotel 1 - Test0
Creating Hotel 2 - Test1
Creating Hotel 3 - Test2
Creating Hotel 4 - Test3
Modifying hotel information
Creating Hotel 2 - Test1
Before modifying
Hotel 'Test1': Location 1 - 50
After modifying
Hotel 'Modification Test': Location 1 - 50
Creating Hotel 1 - Test0
Borrando Hotel 1 - Test0
Creating Hotel 2 - Test1
Borrando Hotel 2 - Test1
Creating Hotel 3 - Test2
Borrando Hotel 3 - Test2
Creating Hotel 4 - Test3
Borrando Hotel 4 - Test3
Cleaning Hotel information
.Creating Hotel 1 - Test0
Creating Hotel 2 - Test1
Creating Hotel 3 - Test2
Creating Hotel 4 - Test3
Creating Hotel 1 - Test0
Hotel registration 99999 not found.
Creating Hotel 1 - Test0
Borrando Hotel 1 - Test0
Creating Hotel 2 - Test1
Borrando Hotel 2 - Test1
Creating Hotel 3 - Test2
Borrando Hotel 3 - Test2
Creating Hotel 4 - Test3
Borrando Hotel 4 - Test3
Cleaning Hotel information
.Creating Hotel 1 - Test0
Creating Hotel 2 - Test1

Creating Hotel 3 - Test2
Creating Hotel 4 - Test3
Hotel 9999 not found, could not be loaded.
Creating Hotel 1 - Test0
Borrando Hotel 1 - Test0
Creating Hotel 2 - Test1
Borrando Hotel 2 - Test1
Creating Hotel 3 - Test2
Borrando Hotel 3 - Test2
Creating Hotel 4 - Test3
Borrando Hotel 4 - Test3
Cleaning Hotel information
.Creating Hotel 1 - Test0
Creating Hotel 2 - Test1
Creating Hotel 3 - Test2
Creating Hotel 4 - Test3
Displaying hotel information
Hotel 'Test3': Location 3 - 50
Creating Hotel 1 - Test0
Borrando Hotel 1 - Test0
Creating Hotel 2 - Test1
Borrando Hotel 2 - Test1
Creating Hotel 3 - Test2
Borrando Hotel 3 - Test2
Creating Hotel 4 - Test3
Borrando Hotel 4 - Test3
Cleaning Hotel information
.Creating Hotel 1 - Test0
Creating Hotel 2 - Test1
Creating Hotel 3 - Test2
Creating Hotel 4 - Test3
Creating Hotel 1 - Test0
Borrando Hotel 1 - Test0
Creating Hotel 2 - Test1
Borrando Hotel 2 - Test1
Creating Hotel 3 - Test2
Borrando Hotel 3 - Test2
Creating Hotel 4 - Test3
Borrando Hotel 4 - Test3
Cleaning Hotel information
.Creating Hotel 1 - Test0
Reservación '500 - 05/03/2024 - 08/03/2024, duración 3 days, 0:00:00
Creating Hotel 2 - Test1
Reservación '501 - 06/04/2024 - 09/04/2024, duración 3 days, 0:00:00
Creating Hotel 3 - Test2
Reservación '502 - 07/05/2024 - 10/05/2024, duración 3 days, 0:00:00
Creating Hotel 4 - Test3
Reservación '503 - 08/06/2024 - 11/06/2024, duración 3 days, 0:00:00
Reservación '500 - 05/03/2024 - 08/03/2024, duración 3 days, 0:00:00
Trying to delete/cancel the Res 1
Cleaning Customer Information
Creating Hotel 1 - Test0
Borrando Hotel 1 - Test0
Creating Hotel 2 - Test1
Borrando Hotel 2 - Test1
Creating Hotel 3 - Test2
Borrando Hotel 3 - Test2
Creating Hotel 4 - Test3
Borrando Hotel 4 - Test3
Cleaning Hotel information
Reservación '501 - 06/04/2024 - 09/04/2024, duración 3 days, 0:00:00
Reservación '502 - 07/05/2024 - 10/05/2024, duración 3 days, 0:00:00

Reservación '503 - 08/06/2024 - 11/06/2024, duración 3 days, 0:00:00
Cleaning Reservations information
.Creating Hotel 1 - Test0
Reservación '500 - 05/03/2024 - 08/03/2024, duración 3 days, 0:00:00
Creating Hotel 2 - Test1
Reservación '501 - 06/04/2024 - 09/04/2024, duración 3 days, 0:00:00
Creating Hotel 3 - Test2
Reservación '502 - 07/05/2024 - 10/05/2024, duración 3 days, 0:00:00
Creating Hotel 4 - Test3
Reservación '503 - 08/06/2024 - 11/06/2024, duración 3 days, 0:00:00
Reservación '500 - 05/03/2024 - 08/03/2024, duración 3 days, 0:00:00
Before modifying
Reservation '1': 1
Detail 500 - 05/03/2024 - 08/03/2024
After modifying
Reservation '1': 1
Detail 824 - 05/03/2024 - 08/03/2024
Cleaning Customer Information
Creating Hotel 1 - Test0
Borrando Hotel 1 - Test0
Creating Hotel 2 - Test1
Borrando Hotel 2 - Test1
Creating Hotel 3 - Test2
Borrando Hotel 3 - Test2
Creating Hotel 4 - Test3
Borrando Hotel 4 - Test3
Cleaning Hotel information
Reservación '500 - 05/03/2024 - 08/03/2024, duración 3 days, 0:00:00
Reservación '501 - 06/04/2024 - 09/04/2024, duración 3 days, 0:00:00
Reservación '502 - 07/05/2024 - 10/05/2024, duración 3 days, 0:00:00
Reservación '503 - 08/06/2024 - 11/06/2024, duración 3 days, 0:00:00
Cleaning Reservations information
.Creating Hotel 1 - Test0
Reservación '500 - 05/03/2024 - 08/03/2024, duración 3 days, 0:00:00
Creating Hotel 2 - Test1
Reservación '501 - 06/04/2024 - 09/04/2024, duración 3 days, 0:00:00
Creating Hotel 3 - Test2
Reservación '502 - 07/05/2024 - 10/05/2024, duración 3 days, 0:00:00
Creating Hotel 4 - Test3
Reservación '503 - 08/06/2024 - 11/06/2024, duración 3 days, 0:00:00
Reservación '500 - 05/03/2024 - 08/03/2024, duración 3 days, 0:00:00
Reservation registration 99999 does not exist.
Cleaning Customer Information
Creating Hotel 1 - Test0
Borrando Hotel 1 - Test0
Creating Hotel 2 - Test1
Borrando Hotel 2 - Test1
Creating Hotel 3 - Test2
Borrando Hotel 3 - Test2
Creating Hotel 4 - Test3
Borrando Hotel 4 - Test3
Cleaning Hotel information
Reservación '500 - 05/03/2024 - 08/03/2024, duración 3 days, 0:00:00
Reservación '501 - 06/04/2024 - 09/04/2024, duración 3 days, 0:00:00
Reservación '502 - 07/05/2024 - 10/05/2024, duración 3 days, 0:00:00
Reservación '503 - 08/06/2024 - 11/06/2024, duración 3 days, 0:00:00
Cleaning Reservations information
.Creating Hotel 1 - Test0
Reservación '500 - 05/03/2024 - 08/03/2024, duración 3 days, 0:00:00
Creating Hotel 2 - Test1
Reservación '501 - 06/04/2024 - 09/04/2024, duración 3 days, 0:00:00
Creating Hotel 3 - Test2



Reservación '502 - 07/05/2024 - 10/05/2024, duración 3 days, 0:00:00
Creating Hotel 4 - Test3
Reservación '503 - 08/06/2024 - 11/06/2024, duración 3 days, 0:00:00
Reservation 9999 not found, could not be loaded.
Cleaning Customer Information
Creating Hotel 1 - Test0
Borrando Hotel 1 - Test0
Creating Hotel 2 - Test1
Borrando Hotel 2 - Test1
Creating Hotel 3 - Test2
Borrando Hotel 3 - Test2
Creating Hotel 4 - Test3
Borrando Hotel 4 - Test3
Cleaning Hotel information
Reservación '500 - 05/03/2024 - 08/03/2024, duración 3 days, 0:00:00
Reservación '501 - 06/04/2024 - 09/04/2024, duración 3 days, 0:00:00
Reservación '502 - 07/05/2024 - 10/05/2024, duración 3 days, 0:00:00
Reservación '503 - 08/06/2024 - 11/06/2024, duración 3 days, 0:00:00
Cleaning Reservations information
.Creating Hotel 1 - Test0
Reservación '500 - 05/03/2024 - 08/03/2024, duración 3 days, 0:00:00
Creating Hotel 2 - Test1
Reservación '501 - 06/04/2024 - 09/04/2024, duración 3 days, 0:00:00
Creating Hotel 3 - Test2
Reservación '502 - 07/05/2024 - 10/05/2024, duración 3 days, 0:00:00
Creating Hotel 4 - Test3
Reservación '503 - 08/06/2024 - 11/06/2024, duración 3 days, 0:00:00
Reservation '4': 4
Detail 503 - 08/06/2024 - 11/06/2024
Cleaning Customer Information
Creating Hotel 1 - Test0
Borrando Hotel 1 - Test0
Creating Hotel 2 - Test1
Borrando Hotel 2 - Test1
Creating Hotel 3 - Test2
Borrando Hotel 3 - Test2
Creating Hotel 4 - Test3
Borrando Hotel 4 - Test3
Cleaning Hotel information
Reservación '500 - 05/03/2024 - 08/03/2024, duración 3 days, 0:00:00
Reservación '501 - 06/04/2024 - 09/04/2024, duración 3 days, 0:00:00
Reservación '502 - 07/05/2024 - 10/05/2024, duración 3 days, 0:00:00
Reservación '503 - 08/06/2024 - 11/06/2024, duración 3 days, 0:00:00
Cleaning Reservations information
.Creating Hotel 1 - Test0
Reservación '500 - 05/03/2024 - 08/03/2024, duración 3 days, 0:00:00
Creating Hotel 2 - Test1
Reservación '501 - 06/04/2024 - 09/04/2024, duración 3 days, 0:00:00
Creating Hotel 3 - Test2
Reservación '502 - 07/05/2024 - 10/05/2024, duración 3 days, 0:00:00
Creating Hotel 4 - Test3
Reservación '503 - 08/06/2024 - 11/06/2024, duración 3 days, 0:00:00
Cleaning Customer Information
Creating Hotel 1 - Test0
Borrando Hotel 1 - Test0
Creating Hotel 2 - Test1
Borrando Hotel 2 - Test1
Creating Hotel 3 - Test2
Borrando Hotel 3 - Test2
Creating Hotel 4 - Test3
Borrando Hotel 4 - Test3
Cleaning Hotel information

Reservación '500 - 05/03/2024 - 08/03/2024, duración 3 days, 0:00:00
Reservación '501 - 06/04/2024 - 09/04/2024, duración 3 days, 0:00:00
Reservación '502 - 07/05/2024 - 10/05/2024, duración 3 days, 0:00:00
Reservación '503 - 08/06/2024 - 11/06/2024, duración 3 days, 0:00:00
Cleaning Reservations information

Ran 18 tests in 0.030s
OK

Reporte de cobertura

```
[(base) nestanislao@MacBook-Pro Semana6 % python3 -m coverage html  
Wrote HTML report to htmlcov/index.html  
[(base) nestanislao@MacBook-Pro Semana6 %  
[(base) nestanislao@MacBook-Pro Semana6 %
```

→   Archivo /Users/nestanislao/Downloads/Semana6/htmlcov/index.html

Coverage report: 100%

coverage.py v7.4.1, created at 2024-02-18 22:09 -0600

Module	statements	missing	excluded	coverage
customer.py	43	0	0	100%
hotel.py	53	0	0	100%
reservation.py	62	0	0	100%
test_code.py	152	0	0	100%
tools.py	18	0	0	100%
Total	328	0	0	100%

coverage.py v7.4.1, created at 2024-02-18 22:09 -0600