Pruebas de software y aseguramiento de la calidad

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Tarea

6.2 Ejercicio de programación

Validacion a traves de unit testing

```
C:\Users\efgv1\Documents\Tec - IA\Software_quality\Tarea 6.2>python -m unittest Customer_ClassUnitTest.py
....
----------------------------------------------------------------------
Ran 4 tests in 0.003s

OK

C:\Users\efgv1\Documents\Tec - IA\Software_quality\Tarea 6.2>python -m unittest Reservation_class_unit_test.py
Room is not available for the specified period.
Reservation canceled successfully.
.Reservation created successfully.
.
----------------------------------------------------------------------
Ran 2 tests in 0.004s

OK

C:\Users\efgv1\Documents\Tec - IA\Software_quality\Tarea 6.2>python -m unittest Hotel_class_unit_test.py
....
----------------------------------------------------------------------
Ran 4 tests in 0.005s

OK

C:\Users\efgv1\Documents\Tec - IA\Software_quality\Tarea 6.2>
```

Validacion a traves de pylint

No me fue possible reducir la longitud de los renglones aun más sin modificar la lógica establecida en mis programas.

Sin embargo la puntuación es aceptable.

```
C:\Users\efgv1\Documents\Tec - IA\Software_quality\Tarea 6.2>pylint A01364577_A6_2.py
************* Module A01364577_A6_2
A01364577_A6_2.py:244:0: C0301: Line too long (103/100) (line-too-long)
A01364577_A6_2.py:1:0: C0103: Module name "A01364577_A6_2" doesn't conform to snake_case naming style (invalid-name)
A01364577_A6_2.py:87:4: R0913: Too many arguments (6/5) (too-many-arguments)
A01364577_A6_2.py:158:4: R0913: Too many arguments (6/5) (too-many-arguments)

----------------------------------------------------------------------
Your code has been rated at 9.68/10 (previous run: 9.68/10, +0.00)

C:\Users\efgv1\Documents\Tec - IA\Software_quality\Tarea 6.2>pylint Customer_ClassUnitTest.py
************* Module Customer_ClassUnitTest
Customer_ClassUnitTest.py:16:0: C0301: Line too long (101/100) (line-too-long)
Customer_ClassUnitTest.py:1:0: C0114: Missing module docstring (missing-module-docstring)
Customer_ClassUnitTest.py:1:0: C0103: Module name "Customer_ClassUnitTest" doesn't conform to snake_case naming style (invalid-name)
Customer_ClassUnitTest.py:23:20: W0212: Access to a protected member _load_customers of a client class (protected-access)
Customer_ClassUnitTest.py:32:20: W0212: Access to a protected member _load_customers of a client class (protected-access)
Customer_ClassUnitTest.py:55:20: W0212: Access to a protected member _load_customers of a client class (protected-access)

----------------------------------------------------------------------
Your code has been rated at 8.06/10 (previous run: 8.39/10, -0.32)

C:\Users\efgv1\Documents\Tec - IA\Software_quality\Tarea 6.2>pylint Reservation_class_unit_test.py
************* Module Reservation_class_unit_test
Reservation_class_unit_test.py:19:0: C0301: Line too long (107/100) (line-too-long)
Reservation_class_unit_test.py:1:0: C0103: Module name "Reservation_class_unit_test" doesn't conform to snake_case naming style (invalid-name)

----------------------------------------------------------------------
Your code has been rated at 9.17/10 (previous run: 9.17/10, +0.00)

C:\Users\efgv1\Documents\Tec - IA\Software_quality\Tarea 6.2>pylint Hotel_class_unit_test.py
************* Module Hotel_class_unit_test
Hotel_class_unit_test.py:115:0: C0301: Line too long (106/100) (line-too-long)
Hotel_class_unit_test.py:1:0: C0103: Module name "Hotel_class_unit_test" doesn't conform to snake_case naming style (invalid-name)
Hotel_class_unit_test.py:21:13: W1514: Using open without explicitly specifying an encoding (unspecified-encoding)
Hotel_class_unit_test.py:28:8: C0415: Import outside toplevel (os) (import-outside-toplevel)

----------------------------------------------------------------------
Your code has been rated at 9.13/10 (previous run: 9.13/10, +0.00)
```

Validacion a traves de flake8

No me fue possible reducir la longitud de los renglones aun más sin modificar la lógica establecida en mis programas.

Sin embargo la puntuación es aceptable.

```
C:\Users\efgv1\Documents\Tec - IA\Software_quality\Tarea 6.2>flake8 A01364577_A6_2.py
A01364577_A6_2.py:87:80: E501 line too long (82 > 79 characters)
A01364577_A6_2.py:158:80: E501 line too long (82 > 79 characters)
A01364577_A6_2.py:239:80: E501 line too long (89 > 79 characters)
A01364577_A6_2.py:240:80: E501 line too long (91 > 79 characters)
A01364577_A6_2.py:244:80: E501 line too long (103 > 79 characters)

C:\Users\efgv1\Documents\Tec - IA\Software_quality\Tarea 6.2>flake8 Customer_ClassUnitTest.py
Customer_ClassUnitTest.py:16:80: E501 line too long (101 > 79 characters)
Customer_ClassUnitTest.py:24:80: E501 line too long (86 > 79 characters)
Customer_ClassUnitTest.py:33:80: E501 line too long (87 > 79 characters)
Customer_ClassUnitTest.py:56:80: E501 line too long (86 > 79 characters)

C:\Users\efgv1\Documents\Tec - IA\Software_quality\Tarea 6.2>flake8 Reservation_class_unit_test.py
Reservation_class_unit_test.py:19:80: E501 line too long (107 > 79 characters)
Reservation_class_unit_test.py:26:80: E501 line too long (83 > 79 characters)
Reservation_class_unit_test.py:32:80: E501 line too long (82 > 79 characters)
Reservation_class_unit_test.py:42:80: E501 line too long (82 > 79 characters)
Reservation_class_unit_test.py:48:80: E501 line too long (83 > 79 characters)

C:\Users\efgv1\Documents\Tec - IA\Software_quality\Tarea 6.2>flake8 Hotel_class_unit_test.py
Hotel_class_unit_test.py:46:80: E501 line too long (84 > 79 characters)
Hotel_class_unit_test.py:66:80: E501 line too long (85 > 79 characters)
Hotel_class_unit_test.py:115:80: E501 line too long (106 > 79 characters)
```