Pruebas de software y aseguramiento de la calidad (Gpo 10)

Actividad

"6.2 Ejercicio de programación 3 y pruebas de unidad"

Estudiante

Quirec Angeles Martínez - A01745050

Fecha

Fecha de entrega

22 de Febrero de 2026

Ejecución

```
(base) PS D:\TEC DE MONTERREY\maestria\pruebas de calidad de software\A01745050_A6.2> python -m coverage erase
>> python -m coverage run -m unittest discover -s tests -t .
>> python -m coverage report -m
Ran 2 tests in 0.001s

FAILED (errors=2)
Name                           Stmts   Miss  Cover   Missing
--------------------------------------------------------------
models\__init__.py                 0      0   100%
models\hotel.py                   39     38     3%   4-57
tests\__init__.py                  0      0   100%
tests\test_customer.py             0      0   100%
tests\test_hotel.py               15     13    13%   5-20
tests\test_reservation.py         39     37     5%   3-59
--------------------------------------------------------------
TOTAL                             93     88     5%
```

Pruebas con flake 8 y Pylint

```
(base) PS D:\TEC DE MONTERREY\maestria\pruebas de calidad de software\A01745050_A6.2> flake8 .
>> pylint models/
************* Module models.customer
models\customer.py:53:0: C0304: Final newline missing (missing-final-newline)
models\customer.py:1:0: C0114: Missing module docstring (missing-module-docstring)
models\customer.py:1:0: E0401: Unable to import 'loadData' (import-error)
models\customer.py:16:4: C0116: Missing function or method docstring (missing-function-docstring)
models\customer.py:29:4: C0116: Missing function or method docstring (missing-function-docstring)
models\customer.py:37:4: C0116: Missing function or method docstring (missing-function-docstring)
models\customer.py:45:4: C0116: Missing function or method docstring (missing-function-docstring)
************* Module models.hotel
models\hotel.py:57:0: C0304: Final newline missing (missing-final-newline)
models\hotel.py:1:0: C0114: Missing module docstring (missing-module-docstring)
models\hotel.py:1:0: E0401: Unable to import 'loadData' (import-error)
models\hotel.py:18:4: C0116: Missing function or method docstring (missing-function-docstring)
models\hotel.py:33:4: C0116: Missing function or method docstring (missing-function-docstring)
models\hotel.py:39:4: C0116: Missing function or method docstring (missing-function-docstring)
models\hotel.py:47:4: C0116: Missing function or method docstring (missing-function-docstring)
************* Module models.loadData
models\loadData.py:24:0: C0304: Final newline missing (missing-final-newline)
models\loadData.py:1:0: C0114: Missing module docstring (missing-module-docstring)
models\loadData.py:1:0: C0103: Module name "loadData" doesn't conform to snake_case naming style (invalid-name)
************* Module models.reservation
models\reservation.py:52:0: C0304: Final newline missing (missing-final-newline)
models\reservation.py:1:0: C0114: Missing module docstring (missing-module-docstring)
models\reservation.py:1:0: E0401: Unable to import 'loadData' (import-error)
models\reservation.py:12:4: C0116: Missing function or method docstring (missing-function-docstring)
models\reservation.py:38:4: C0116: Missing function or method docstring (missing-function-docstring)

-----------------------------------
Your code has been rated at 6.94/10
```

Pylint

```
(base) PS D:\TEC DE MONTERREY\maestria\pruebas de calidad de software\A01745050_A6.2> pylint models
************* Module models.customer
models\customer.py:53:0: C0304: Final newline missing (missing-final-newline)
models\customer.py:1:0: C0114: Missing module docstring (missing-module-docstring)
models\customer.py:16:4: C0116: Missing function or method docstring (missing-function-docstring)
models\customer.py:29:4: C0116: Missing function or method docstring (missing-function-docstring)
models\customer.py:37:4: C0116: Missing function or method docstring (missing-function-docstring)
models\customer.py:45:4: C0116: Missing function or method docstring (missing-function-docstring)
************* Module models.hotel
models\hotel.py:57:0: C0304: Final newline missing (missing-final-newline)
models\hotel.py:1:0: C0114: Missing module docstring (missing-module-docstring)
models\hotel.py:18:4: C0116: Missing function or method docstring (missing-function-docstring)
models\hotel.py:33:4: C0116: Missing function or method docstring (missing-function-docstring)
models\hotel.py:39:4: C0116: Missing function or method docstring (missing-function-docstring)
models\hotel.py:47:4: C0116: Missing function or method docstring (missing-function-docstring)
************* Module models.loadData
models\loadData.py:24:0: C0304: Final newline missing (missing-final-newline)
models\loadData.py:1:0: C0114: Missing module docstring (missing-module-docstring)
models\loadData.py:1:0: C0103: Module name "loadData" doesn't conform to snake_case naming style (invalid-na
************* Module models.reservation
models\reservation.py:52:0: C0304: Final newline missing (missing-final-newline)
models\reservation.py:1:0: C0114: Missing module docstring (missing-module-docstring)
models\reservation.py:12:4: C0116: Missing function or method docstring (missing-function-docstring)
models\reservation.py:38:4: C0116: Missing function or method docstring (missing-function-docstring)


-----------------------------------------------------------------
Your code has been rated at 8.29/10 (previous run: 6.94/10, +1.35)
```

flake 8 .

```
(base) PS D:\TEC DE MONTERREY\maestria\pruebas de calidad de software\A01745050_A6.2> flake8  .
.\models\customer.py:55:1: W391 blank line at end of file
.\models\hotel.py:60:1: W391 blank line at end of file
.\models\loadData.py:26:1: W391 blank line at end of file
.\models\reservation.py:55:1: W391 blank line at end of file
.\tests\test_customer.py:1:1: F401 'os' imported but unused
.\tests\test_customer.py:47:1: W391 blank line at end of file
.\tests\test_hotel.py:22:1: W391 blank line at end of file
.\tests\test_reservation.py:62:1: W391 blank line at end of file
```