

Maestría en Inteligencia Artificial Aplicada

Pruebas de software y aseguramiento de la calidad

A6.2 Ejercicio de programacion 3

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Ejercicio 1

Coverage report:

```
A01208580_A6.2 on り main [?] via 💪 v3.12.0 (ai-age
1a2@qwiklabs.net
> python3 -m coverage run -m unittest
Ran 20 tests in 0.008s
A01208580_A6.2 on y main [!] via 🕹 v3.12.0 (ai-agents-framework) on 🐔us-
> python3 -m coverage report -m
Name
                                   Stmts Miss Cover Missing
src/_
      _init__.py
                                                     100%
src/customer.py
                                                0
                                                     100%
src/hotel.py
                                       50
                                                Ø
                                                    100%
src/reservation.py
test/__init__.py
test/unit/__init__.py
test/unit/test_customer.py
                                       41
                                                0
                                                    100%
                                       0
                                                0
                                                    100%
                                                0
                                       0
                                                    100%
                                                0
                                                    100%
test/unit/test_hotel.py
                                                0
                                       92
                                                    100%
test/unit/test_reservation.py
                                      30
                                                0
                                                    100%
                                               0 100%
```

Antes de corregir errores de flake8:

```
Antes de corregir errores de flakes:

### Altes ### Alte
          A01208580_A6.2 on // main [?] via 🍰 v3.12.0 (ai-agents-framework) on Mus-east-1) on _ student-02-5b
```

Después de corregir errores de flake8:

```
A01208580_A6.2 on ! main [?] vi
klabs.net
) python3 -m flake8
ai-agents-framework
A01208580_A6.2 on ! main [?] vi
klabs.net
```

Antes de corregir errores de pylint:

```
A01208580_A6.2 on 🎙 main [ʔ] via 🍰 v3.12.0 (ai-agents-framework) on 🦀us-east-1) on 🗻 <u>student-02-5bc07dc8d1a2@qwi</u>
 klabs.net
     python3 -m pylint src/
 *************** Module reservation
src/reservation.py:14:4: C0116: Missing function or method docstring (missing-function-docstring)
 src/reservation.py:18:12: W0101: Unreachable code (unreachable)
src/reservation.py:17:12: W0719: Raising too general exception: Exception (broad-exception-raised)
src/reservation.py:17:12: W0719: Raising too general exception: Exception (broad-exception-raised)
src/reservation.py:21:13: W1514: Using open without explicitly specifying an encoding (unspecified-encoding)
src/reservation.py:33:4: C0116: Missing function or method docstring (missing-function-docstring)
src/reservation.py:34:13: W1514: Using open without explicitly specifying an encoding (unspecified-encoding)
src/reservation.py:40:16: W0101: Unreachable code (unreachable)
src/reservation.py:39:16: W0719: Raising too general exception: Exception (broad-exception-raised)
src/reservation.py:43:16: W0719: Raising too general exception: Exception (broad-exception-raised)
src/reservation.py:53:13: W1514: Using open without explicitly specifying an encoding (unspecified-encoding)
src/reservation.py:60:16: W0101: Unreachable code (unreachable)
src/reservation.py:59:16: W0719: Raising too general exception: Exception (broad-exception-raised)
src/reservation.py:59:16: W0719: Raising too general exception: Exception (broad-exception-raised)
src/reservation.py:59:4: R1710: Either all return statements in a function should return an expression, or none of them should. (inconsistent-return-statements)
 them should. (inconsistent-return-statements)
*********** Module customer
 src/customer.py:10:23: W0622: Redefining built-in 'id' (redefined-builtin)
src/customer.py:15:12: R1705: Unnecessary "else" after "return", remove the "else" and de-indent the code inside it
 src/customer.py:15:12: R1720: Unnecessary "else" after "raise", remove the "else" and de-indent the code inside it (no-else-raise)
 src/customer.py:17:16: W0101: Unreachable code (unreachable)
src/hotel.py:4:0: E0401: Unable to import 'src.reservation' (import-error)
src/hotel.py:11:23: W0622: Redefining built-in 'id' (redefined-builtin)
src/hotel.py:15:12: R1705: Unnecessary "else" after "return", remove the "else" and de-indent the code inside it (n
 o-else-return)
 src/hotel.py:15:12: R1720: Unnecessary "else" after "raise", remove the "else" and de-indent the code inside it (no
  -else-raise)
src/hotel.py:17:16: W0101: Unreachable code (unreachable)
src/hotel.py:16:16: W0719: Raising too general exception: Exception (broad-exception-raised)
src/hotel.py:30:14: C0116: Missing function or method docstring (missing-function-docstring)
src/hotel.py:33:13: W1514: Using open without explicitly specifying an encoding (unspecified-encoding)
src/hotel.py:37:16: W0101: Unreachable code (unreachable)
src/hotel.py:36:16: W0719: Raising foo general exception: Exception (broad-exception-raised)
src/hotel.py:44:4: C0116: Missing function or method docstring (missing-function-docstring)
src/hotel.py:47:4: C0116: Missing function or method docstring (missing-function-docstring)
src/hotel.py:51:4: C0116: Missing function or method docstring (missing-function-docstring)
src/hotel.py:76:13: W1514: Using open without explicitly specifying an encoding (unspecified-encoding)
src/hotel.py:75:13: W1514: Using open without explicitly specifying an encoding (unspecified-encoding)
src/hotel.py:10: R0801: Similar lines in 2 files
==customer:[20:30]
==hotel:[20:31]
 src/hotel.py:17:16: W0101: Unreachable code (unreachable)
  ==hotel:[20:31]
                     else:
                               self.id = str(uuid.uuid4())
self.name = None
          def create(self, name):
    self.name = name
    self._save()
                     with open(self.DB_PATH, 'r+') as file: (duplicate-code)
 Your code has been rated at 6.50/10
```

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### Application of the control of th
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Después de corregir errores de pylint:

```
A01208580_A6.2 on primain [?] via v3.12.0 (ai-agents-framework) on student-02-5bc07dc8d1a2@qwiklabs.net

> python3 -m pylint src/

Your code has been rated at 10.00/10 (previous run: 9.93/10, +0.07)

A01208580_A6.2 on primain [?] via v3.12.0 (ai-agents-framework) on python3 -m pylint test/

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

Ejemplos de cómo se almacena la información:

Archivo que almacena hoteles y reservaciones:

Archivo que almacena clientes: