

## Actividad 6.2 - Ejercicio de Programacion 3

Matricula: A01017478

Repository: [https://github.com/AlexisAlduncintec/A01017478\\_A6.2](https://github.com/AlexisAlduncintec/A01017478_A6.2)

### Static Analysis Results

File	Pylint	Flake8
hotel.py	10.00/10	0 errors
customer.py	10.00/10	0 errors
reservation.py	10.00/10	0 errors

### Test Results

Test File	Tests	Passed
test_hotel.py	18	18
test_customer.py	14	14
test_reservation.py	13	13
TOTAL	45	45

### Coverage Report

File	Statements	Missed	Coverage
hotel.py	126	8	94%
customer.py	91	3	97%
reservation.py	78	3	96%
TOTAL	295	14	95%

### Negative Test Cases (30 total)

#### Hotel (12 tests):

empty name, invalid rooms, duplicate ID, delete not found, display not found, no room availability, reserve hotel not found, modify not found, modify invalid values, cancel hotel not found, corrupted JSON, non-list JSON

#### Customer (10 tests):

empty name, invalid email, duplicate ID, delete not found, display not found, modify not found, modify invalid email, modify empty name, corrupted JSON, non-list JSON

#### Reservation (8 tests):

customer not found, hotel not found, no rooms available, duplicate ID, cancel not found, display not found, corrupted JSON, non-list JSON

### Commit History

1. feat: add Hotel class with CRUD operations

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2. feat: add Customer class with CRUD operations
3. feat: add Reservation class with CRUD operations
4. test: add unit tests for Hotel class
5. test: add unit tests for Customer class
6. test: add unit tests for Reservation class
7. docs: add README with project documentation