

Actividad 6.2. Ejercicio de programación 3

Programming Exercise	Description	Practice	Test Cases and Evidence
1. Reservation System	<p>Req 1. Implement a set of classes in Python that implements two abstractions:</p> <ol style="list-style-type: none"> Hotel Reservation Customers <p>Req 2. Implement a set of methods to handle the next persistent behaviors (stored in files):</p> <ol style="list-style-type: none"> Hotels <ol style="list-style-type: none"> Create Hotel Delete Hotel Display Hotel information Modify Hotel Information Reserve a Room Cancel a Reservation Customer <ol style="list-style-type: none"> Create Customer Delete a Customer Display Customer Information Modify Customer Information Reservation <ol style="list-style-type: none"> Create a Reservation (Customer, Hotel) Cancel a Reservation <p>You are free to decide the attributes within each class that enable the required behavior.</p> <p>Req 3. Implement unit test cases to exercise the methods in each class. Use the unittest module in Python.</p> <p>Req 4. The code coverage for all unittests should accumulate at least 85% of line coverage.</p> <p>Req 5. The program shall include the mechanism to handle invalid data in the file. Errors should be displayed in the console and the execution must continue.</p> <p>Req 6. Be compliant with PEP8.</p> <p>Req 7. The source code must show no warnings using Fleak and PyLint.</p>	<ul style="list-style-type: none"> Control structures Console Input output Mathematical computation File management Error handling 	Record the execution. Use files included in the assignment.

