

Lab 3 Answers

1. The source code is located in Expedia, and the testcode is located in ExpediaTest.
2. The classes that exist in the project are:
 - a. AssemblyInfo
 - b. Booking
 - c. Car
 - d. Flight
 - e. Hotel
 - f. User
3. The functionality supported by the flight class involves allowing the user to book future flights.
4. The classes that exist in the test project are:
 - a. BookingTest
 - b. CarTest
 - c. FlightTest
 - d. HotelTest
 - e. UserTest
5. The methods inherent in the UserTest class are:
 - a. TestThatUserInitializes
 - b. TestThatUserHasZeroFrequentFlierMilesOnInit
 - c. TestThatUserCanBookEverything
 - d. TestThatUserHasFrequentFlierMilesAfterBooking
 - e. TestThatUserCanBookAFlight
 - f. TestThatUserCanBookAHotelAndACar
 - g. TestThatUserHasCorrectNumberOfFrequentFlyerMilesAfterOneFlight
6. AreEqual, AreSame, and Less are all methods that can be invoked by the Assert class.
7. AreEqual checks that the two objects have the same value.
AreSame checks that the two objects are pointing to the same thing.
Less checks to see whether the value of one object is less than the other.
8. AreEqual checks that the two objects have the same value.
AreSame checks that the two objects are pointing to the same thing.
9. It's verifying the Hotel class can initialize without errors.
10. The generic algorithm is \$45 per night.

11. The tests are verifying the correct price after one night, two night, and ten night visits at the hotel.
12. That is part of the first test case that we implemented in the HotelTest.cs class
13. It's trying to initialize a hotel class with a negative number of nights to rent.
14. [`ExpectedException(typeof(OutOfMemoryException))`]