

Lab 3 Questions

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1. Source code is found in the "Expedia" project and the test code is found in "ExpediaTest".
2. Classes are AssemblyInfo, Booking, Car, Flight, Hotel, and Users.
3. The Flight class can store data about a certain flight specifically, when it leaves, when it returns, and how many miles it travels. It can also tell whether two flights are the same or not.
4. The test classes are BookingTest, CarTest, FlightTest, HotelTest, and UserTest.
5. TestThatUserInitializes, TestThatUserHasZeroFrequentFlierMilesOnIt, TestThatUserCanBookEverything, TestThatUserHasFrequentFlierMilesAfterBooking, TestThatUserCanBookAFlight, TestThatUserCanBookHotelAndACar, TestThatUserHasCorrectNumberOfFrequentFlyerMilesAfterOneFlight.
6. "AreNotEqual", "AreNotSame", and "AreSame"
7. "AreNotEqual" will make sure that the two arguments passed in are not equal to each other. "AreNotSame" will make sure that two objects are not referring to the same object. "AreSame" makes sure that two objects are indeed referring to the same object.
8. Two objects are not "equal" just because they refer to the same object, yet that still means that they are "same". Referring to the same object is not the same as being equal.
9. It verifies that the Hotel object you just created is actually an object and not null.
10. It multiplies the number of nights needed to rent by 45.
11. These new tests test whether the Hotel has the correct base price for several different night stays: one, two, and ten.
12. We are already testing that inside the "TestThatHotelInitializes" test so testing it in every other test would be a waste of time/space.
13. It throws an exception because when you create a Hotel object, the argument you pass in must be greater than 0.
14. [ExpectedException(typeof(OutOfMemoryException))]