

Lab 3

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1. The source code is located in the Expedia project, and the test code is in the ExpediaTest project.
2. In the Expedia project, there is a Car, Flight, User, and Hotel class.
3. It has a constructor that takes in 2 DateTimes and a number of miles, and has a Equals method that compares if two flights are equal.
4. CarTest, BookingTest, FlightTest, HotelTest, and UserTest.
- 5.

TestThatUserInitializes, TestThatUserHasZeroFrequentFlierMileOnInit, TestThatUserCanBookEverything, TestThatUserHasFrequentFlierMilesAfterBooking, TestThatUserCanBookAFlight, TestThatUserCanBookAHotelAndACar, TestThatUserHasCorrectNumberOfFrequentFlyerMilesAfterOneFlight,

6. AreEqual
AreNotEqual
AreSame
7. AreEqual tests to see if two objects have the same values.
AreNotEqual tests to see if two objects have different values.
AreSame checks if the objects are the same object
8. AreSame checks to see if the objects are actually the same, but AreEqual only checks values.
9. The test asserts that Hotel class initializes with values.
10. 45 times the number of nights
11. They test to see if the hotel has the correct base price for 1, 2, and 10 days
12. Because in a prior test we tested that it does not initialize to null.
13. Because we initialize the hotel with negative days.
14. [ExpectedException(typeof(OutOfMemoryException))]