

CSSE376 Lab 3

1. The source code is found in Expedia and the test code is found in ExpediaTest.
2. Expedia contains the classes AssemblyInfo, Booking, Car, Flight, Hotel, and User.
3. Flight records when a flight leaves, when it arrives, and the amount of distance it travels.
4. ExpediaTest contains BookingTest, CarTest, FlightTest, HotelTest, and UserTest.
5. TestThatUserInitializes, TestThatUserHasZeroFrequentFlierMilesOnInit, TestThatUserCanBookEverything, TestThatUserHasFrequentFlierMilesAfterBooking, TestThatUserCanBookAFlight, TestThatUserCanBookAHotelAndACar, and TestThatUserHasCorrectNumberOfFrequentFlyerMilesAfterOneFlight.
6. Less, AreEqual, and AreSame are all functions supported by Assert.
7. Less checks two values and sees if the first one is less than the second and returns a corresponding truth value. AreEqual takes two values and checks to see if they are equal. IsNotNull checks if an object is not null.
8. AreEqual checks two values to see if they are equal. AreSame checks two objects to see if they are the same.
9. TestThatHotelInitializes checks to make sure that when a new hotel object is made that it is properly made and does not come out as null.
10. getBasePrice returns $45 * \text{numberOfNightsToRent}$.
11. The new tests check to make sure that when a new hotel object is made that getBasePrice outputs the proper number.
12. The test TestThatHotelInitializes already checks to make sure that when a hotel object is made that it isn't null.
13. It expects an exception since it feeds in a negative number and the source code is written to throw an exception when that happens.
14. [Test()]
[ExpectedException(typeof(OutOfMemoryException))]