

Ben McNees

CM 1786

CSSE 376

Sriram Mohan

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1. The source code is found in Expedia, the test code is found in ExpediaTest.
2. In the project, the classes are: AssemblyInfo.cs, Booking.cs, Car.cs, Flight.cs, Hotel.cs, and User.cs.
3. Essentially, the flight class just holds information pertaining to the start date, the end date, and the miles it will take to complete the flight.
4. The test classes are: BookingTest.cs, CarTest.cs, FlightTest.cs, HotelTest.cs, and UserTest.cs.
5. TestThatUserInitializes, TestThatUserHasZeroFrequentFlierMilesOnInit, TestThatUserCanBookEverything, TestThatUserHasFrequentFlierMilesAfterBooking, TestThatUserCanBookAFlight, TestThatUserCanBookAHotelAndACar, and TestThatUserHasCorrectNumberOfFrequentFlyerMilesAfterOneFlight.
6. AreEqual, AreNotEqual, and AreSame.
7. AreEqual checks to see if the values are the same and returns true if so. AreNotEqual returns true if the values are not the same. AreSame returns true if the two objects passed to it refer to the same object.
8. As I stated, AreEqual compares values alone. AreSame compares to see if the two objects refer to the same object.
9. It verifies that a hotel object can initialize correctly.
10. $45 * \text{numberOfNightsToRent}$
11. The price is correct for one, two, and ten days of staying at the hotel.
12. Because we've already tested that the hotel object can be initialized.
13. When the number of nights to rent is below 0, then an exception is thrown in Hotel.cs.
14. [ExpectedException(typeof(OutOfMemoryException))]