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Lab 3

Q1: Expedia project. Tests are in the ExpediaTest project.

Q2: Car, Flight, Hotel, User.

Q3: Creates flights with start date, end date and number of miles. Also has a method which checks if two flights are equal.

Q4: BookingTest, CarTest, FlightTest, HotelTest, UserTest.

Q5: TestThatUserInitializes, TestThatUserHasZeroFrequentFlierMilesOnInit, TestThatUserCanBookEverything, TestThatUserHasFrequentFlierMilesAfterBooking, TestThatUserCanBookAFlight, TestThatUserCanBookAHotelAndACar, TestThatUserHasCorrectNumberOfFrequentFlyerMilesAfterOneFlight.

Q6: AreEqual, AreNotEqual, IsTrue.

Q7: AreEqual: Checks if two objects are equal. AreNotEqual: Checks if two objects are NOT equal. IsTrue: Checks if a condition is true.

Q8: AreSame only checks if two objects refer to the same object, while AreEqual checks if two objects are equal themselves.

Q9: That the constructor for the hotel class works correctly

Q10: It multiplies the number of nights to rent by 45.

Q11: When nights to rent are 1, when nights to rent are 2, and nights to rent are 10.

Q12: Because we already verified in our first unit test that the constructor works correctly.

Q13: Because the constructor throws an exception if a negative number is passed to it for nights to rent

Q14: [ExpectedException(typeof(OutOfMemoryException))]