

Lab 4 Answers

1.
 - a. Create mock database with the Stub command
 - b. Set the proper values that the database should return given the room occupant numbers
 - c. Create a new hotel object and set its database to the mock database created earlier
 - d. Test the getRoomOccupant function by sending the values to the mock database and verifying with the Assert function that they are correct.
2. An exception can be thrown by making LastCall return an incorrect value
3. Dynamic mocks are not recommended if a return value is being sought.
4.
 - a. Create mock database with the Stub command
 - b. Create a new list object with a given number of values
 - c. Set the Rooms property of the mock database to the list created in the previous step
 - d. Create a new hotel object and set its database to the mock database created earlier
 - e. Test the AvailableRooms function by verifying that the size of the list in the database is equal to the value returned by the AvailableRooms function for the hotel created in the previous step
5.
 - a. Create two cars – one to be booked, and one that will be available for booking after the first one is booked.
 - b. Add both of the cars to the Service Locator
 - c. Create a new user and make the user book a car
 - d. Verify that the count of available cars to be booked has decreased, and that the remaining car in the service locator is the car that was not booked.