Lab 4

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1. To use a mock in a test you need to first create a general mock repository. Then create an IDatabase object from the mock repository Stub<type> function. Then you need to tell what that mock database should do by recording what it should do when get room is called with different room numbers. Now you can use this mock in your test code like you would the real object.
2. To throw an exception you can call LastCall.Throw(new Exception()).
3. If the mocked object did not need to return a value you would not need to use a stub. Yes you can use a dynamic mock to return a value but it is not recommended.
4. To test the available rooms method you first need to create a new mock database. You also need to make an array and fill it with fake room data. You then need to tell the mock to use the rooms array. Final you need to tell the hotel object to use the mock database.
5. To test the service locator you first need to create a new service locator object, and add some test cars to the locator. Next create a user who will rent a car, finally you can check to make sure the number of cars went down by one and that the remaining cars are the correct cars.