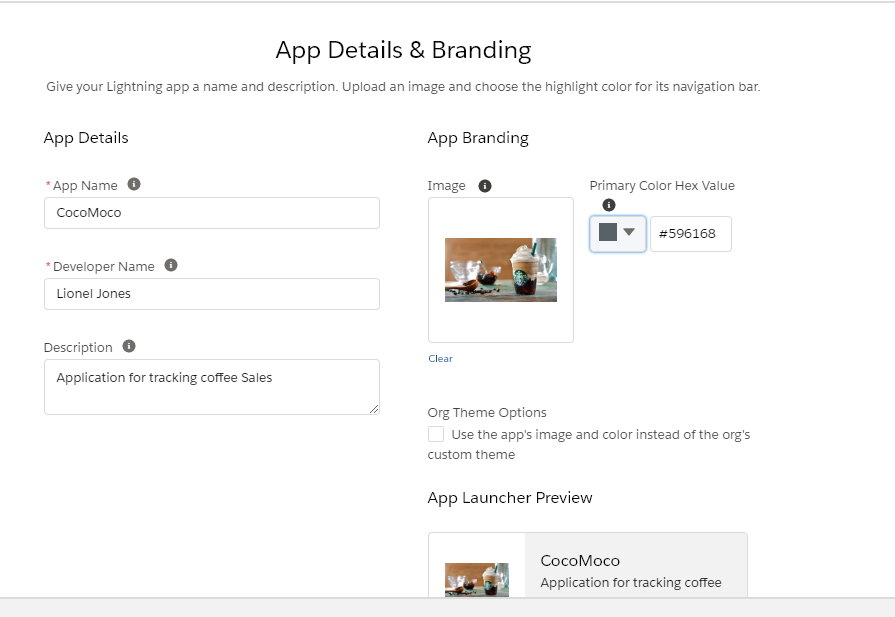
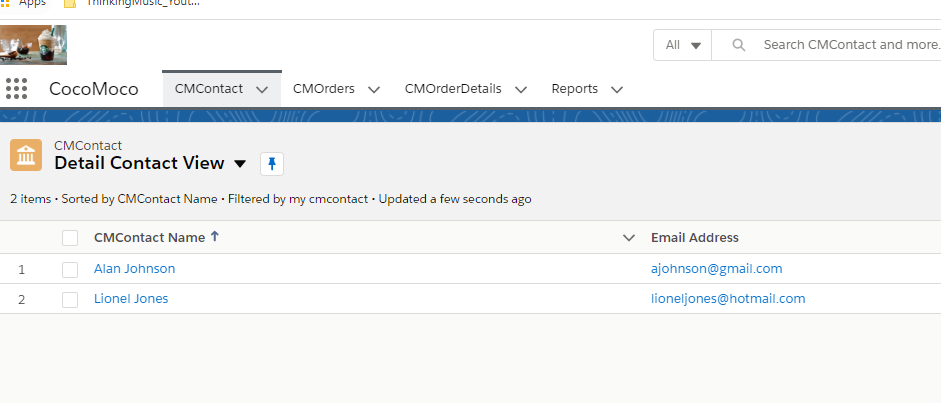
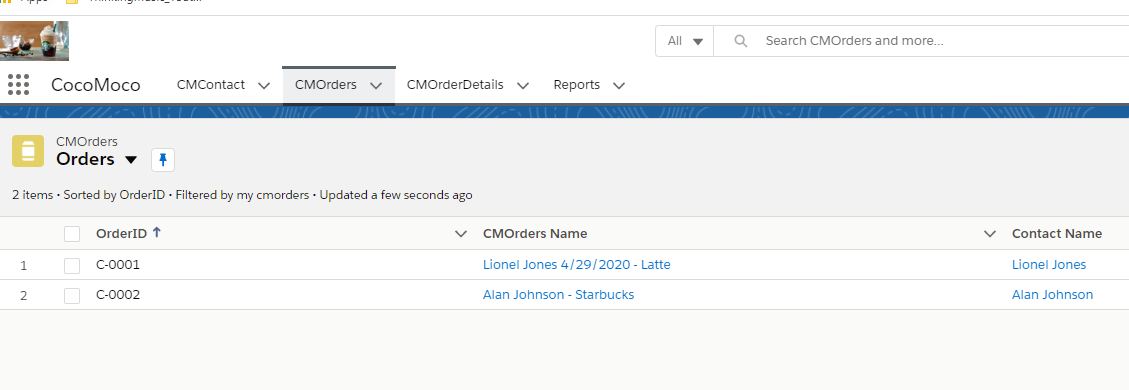
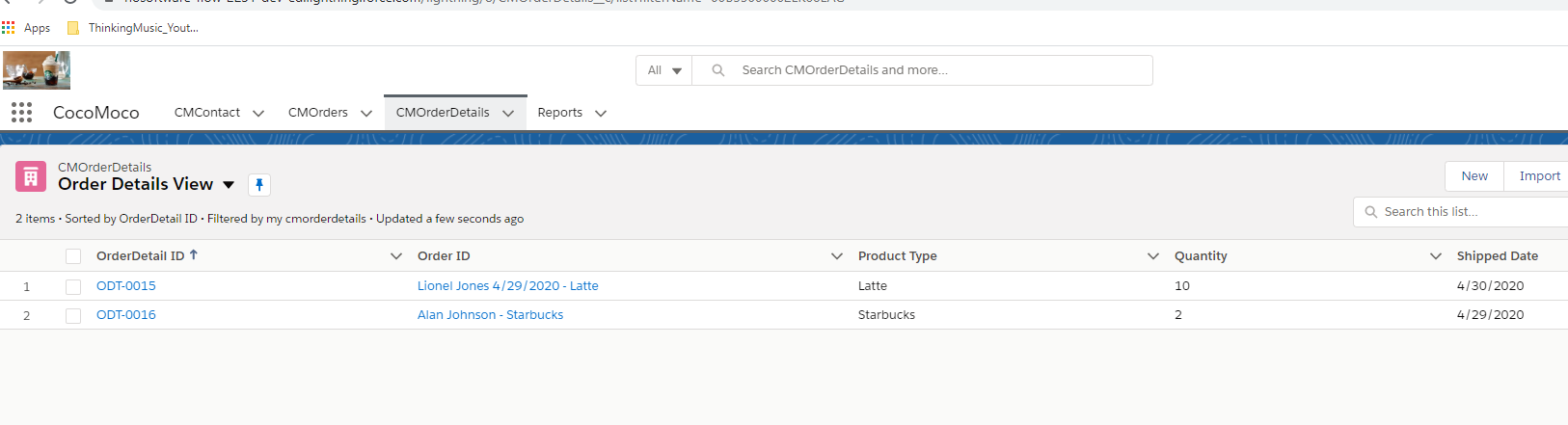
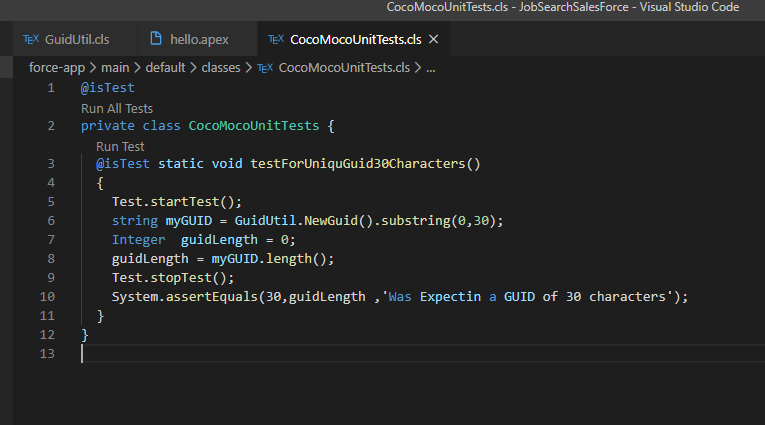
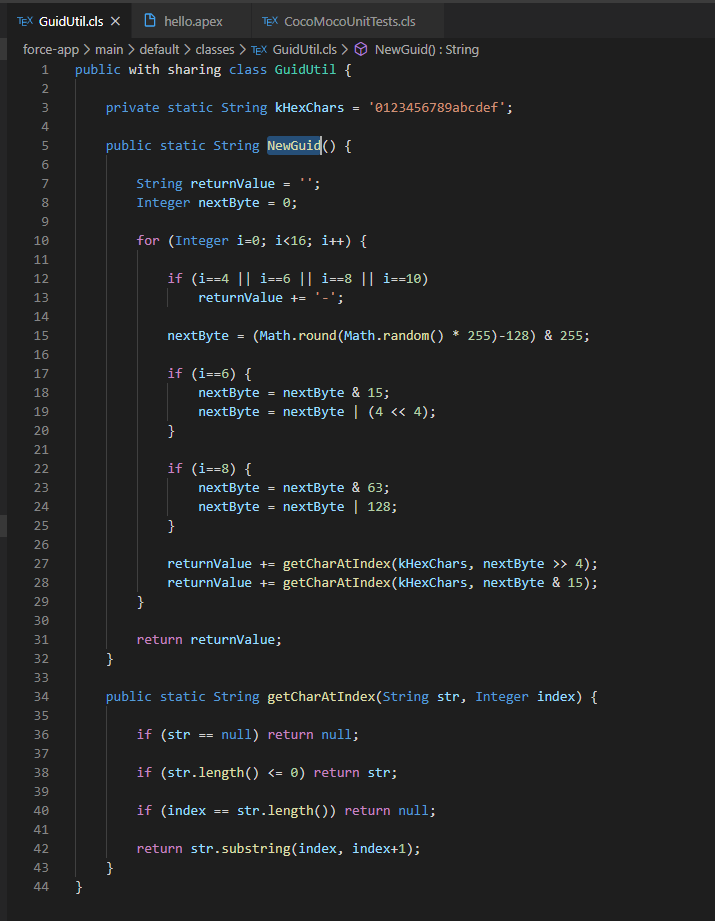
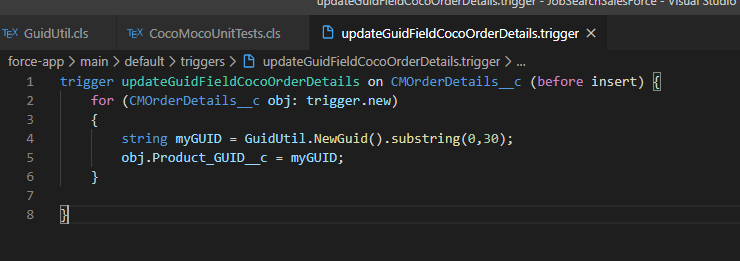
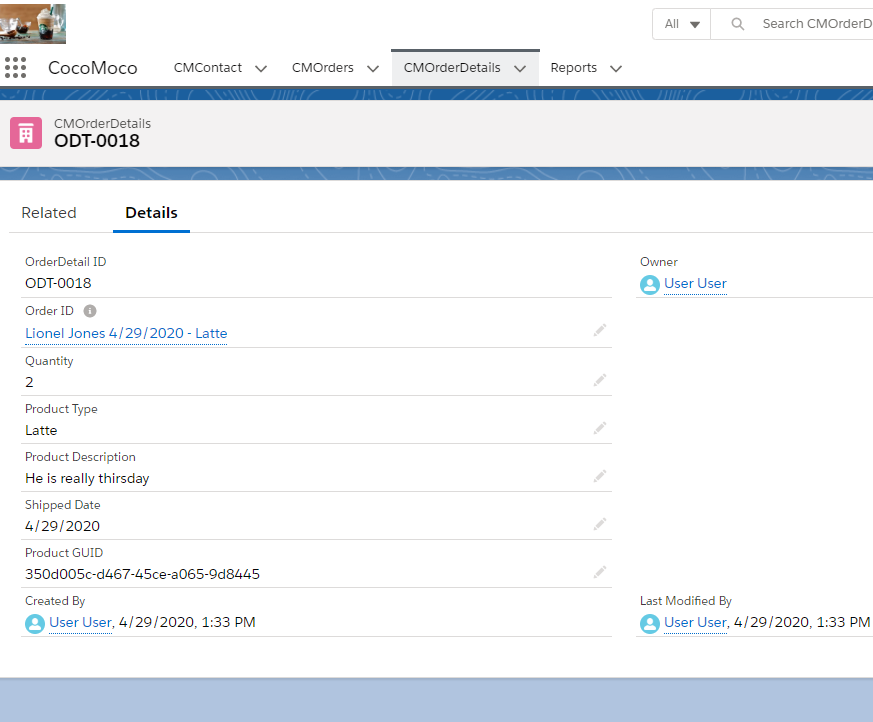
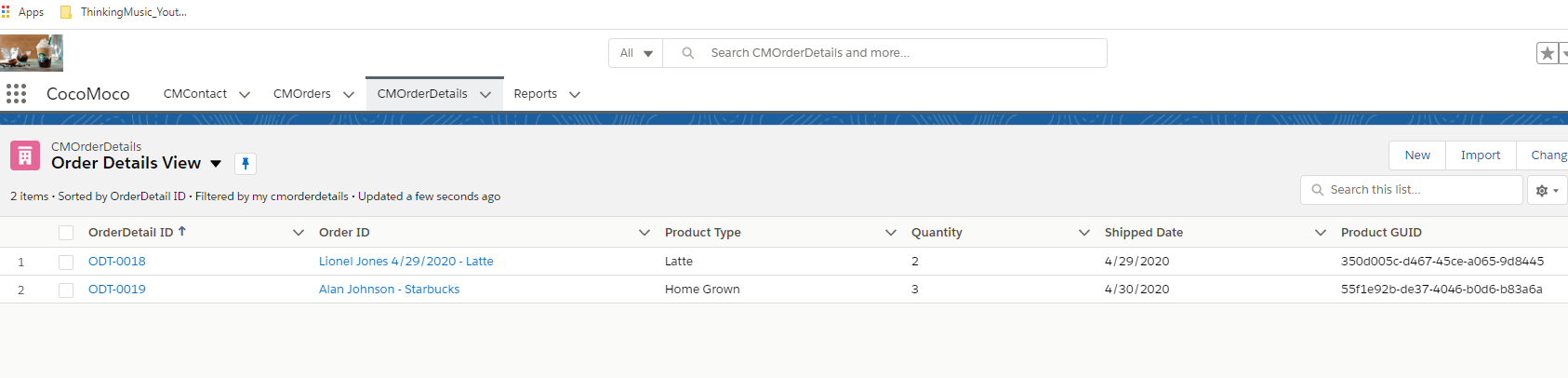
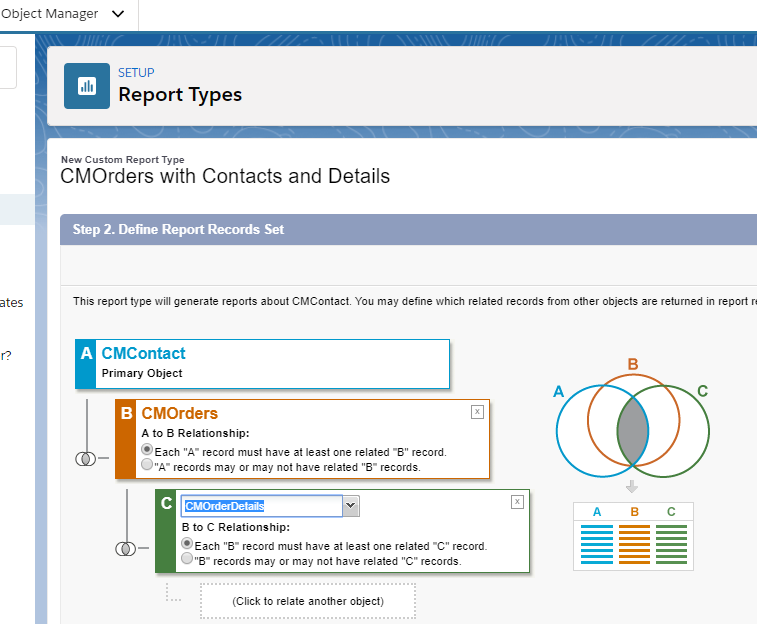
**System Design Specification – CocoMoco Coffee**Date: 4/29/2020  
  
Contributor(s)  
Lionel Jones, Developer  
  
**Business/Functional Requirement:**  
**High Level**CocoMoco is an online coffee roaster, selling coffee direct to consumer. Each bag of coffee has a unique serial number that allows the business to track quality issues and help customers understand the specifics of the roasting and production of their beans.  
  
**Tech Stack:**  
Salesforce – SAAS  
.Net WebAPI ( **RESTFUL Service**)

**Tools:**Visual Studio Code (Class Creation – Unit Testing)  
Visual Studio 2019 (Development of REST API)

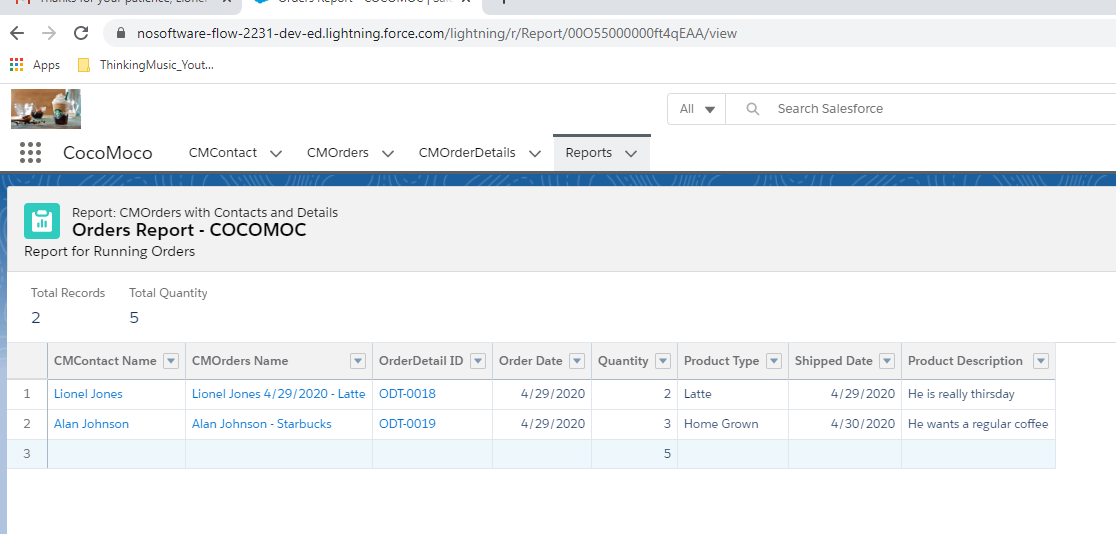
**Custom App:**  
  
**Database Schema (Sales force)**Sales Force Custom Objects:  
**CMContact**  
**Fields**:  
Name  
Address  
Email Address  
Phone  
  
**CMOrders** **Fields**:  
**CMContact** ->Relationship to CMContact (lookup)  
**OrderID (Auto Gen)**  
Order Date  
Notes

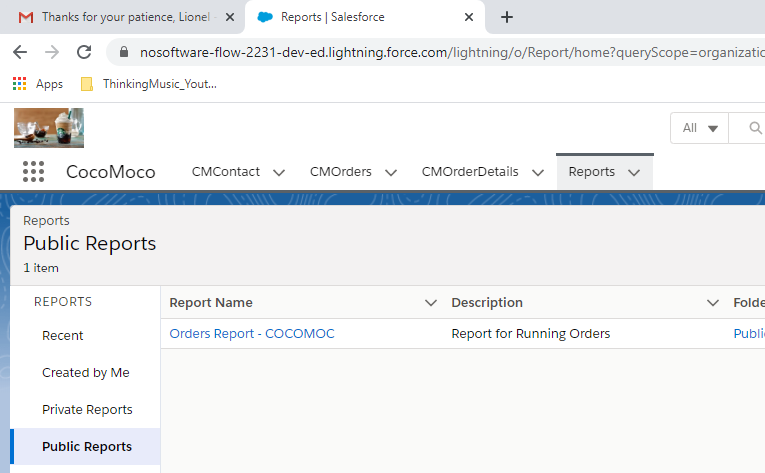
**CMOrderDetails ->Relationshop to CMOrders (lookup)**  
**Fields:**GUID  **OrderID**->Relationship to **CMOrders** (lookup)Quantity  
Product Type: (**Pick list**) Latte, Regular, Starbucks, HomeGrown  
Product Description (Could be placed in a separate entity, but for simplicity, I will leave it here)  
Shipped Date  
  
Ending App:  
  
  
  
Unit Test  
I create a Unit Test for creating a 30 character GUID  
Here is he Unit Test:  
  
  
  
I created a trigger on the CMOrderDetails, create a 30 character guid on before insert

  
  
  
  
**For the Custom Report, I created a Custom Report Type:**



Then I created this report:

  
  
**Stored under Public Reports**

  
Below are my complete unit tests

