Exercise 16 - Order Tracking

Exercise 16.a - Create a Order Lookup View

Create a view that will allow for orders to be retrieved by a combination of the following fields:

- order_id
- billing_email
- billing_postal_code

1. Open up the Couchbase Admin Console by going to http://127.0.0.1:8091/ in a web browser

2. Choose Data Buckets

3. Click the "Views" button next to the **default** bucket

4. Click the "Development Views" tab, since we already have a Design Document, click the "Add View" button next to `design/dev_orders`

5. For the **View Name** use `lookup`

6. Click the "Save" button

7. Write a map function that will meet the requirements listed above. You will need to use a compound key and the value should be null.

8. You can leave the **Reduce** function empty and click the "Save" button

9. We now need to publish our Development View to Production. To do this scroll up to the top of the page, and click on Views.

10. Make sure you are on the **Development Views** tab and next to `_design/dev_products` click on the "Publish" button. You will get a notification that the Design Document already exists and it will ask you to confirm that you want to overwrite it, click "Confirm". This will move your `product` Design Document to production and create the index against all of the documents in the entire bucket for all of the views in the view.On Sale

Exercise 16.b - Retrieve Placed Order

We need to display the shipping options to our users.

1. Open `exercise16/com/example/OrderTrackingService.cfc` in your IDE

2. Modify the `getOrder` method to retrieve query the `lookup` view that you created in Exercise 16.a.

- Limit the Results to 1
- Inflate the Results to `com.example.documents.Order`
- Tip - You will need to use the ColdFusion `int()` function when referencing the `order_id` argument

For your reference the data from the `getOrder` method is used in the following views:

- exercise16/com/example/documents/Order.cfc
- exercise16/view/order-tracking.cfm
- exercise16/view/includes/invoice.details.cfm
- exercise16/view/includes/invoice.items.cfm
- exercise16/view/includes/checkout.totals.cfm

Open /exercise16/order-tracking.cfm in your web browser, and lookup any previously placed orders. If you need test data open your Couchbase Admin Console and retrieve documents named `order_XXXX` where XXXX is a number between 1 - 5000.