

## Exercise 15 - Writing Order Documents on Checkout

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### Exercise 15.a - Retrieve the States

As with any checkout process we need to be able to display the available states in a dropdown.

1. Open `exercise15/com/example/CheckoutService.cfc` in your IDE
2. Modify the `getStates` method to retrieve the available states. This will call the CFCouchbase `get()` method with an id of `states`, the result of this call should be assigned to a variable named `doc`

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

- `exercise15/view/includes/checkout.billing.cfm`
  - `exercise15/view/includes/checkout.shipping.cfm`
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### Exercise 15.b - Retrieve the Shipping Methods

We need to display the shipping options to our users.

1. Open `exercise15/com/example/CheckoutService.cfc` in your IDE
2. Modify the `getShippingMethods` method to retrieve the available states. This will call the CFCouchbase `get()` method with an id of `shipping_methods`, the result of this call should be assigned to a variable named `doc`

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

- `exercise15/view/includes/checkout.payment.cfm`
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### Exercise 15.c - Get the Next Order ID

1. Open `exercise15/com/example/documents/Order.cfc` in your IDE
  2. Modify the `save` method to retrieve get the next available `order_id`. This will call the CFCouchbase `incr()` method with an id of `orders_counter`, an increment value of 1 and a default value of 1.
  3. The result of this call should be assigned to a variable named `order_id`
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## Exercise 15.d - Write the Order

1. Open `exercise15/com/example/documents/Order.cfc` in your IDE
2. Modify the `save` method to write the order. This will call the `CFCouchbase.set()` method with an id of the `"order_id" & getOrder_ID()`, the value will be the keyword `this`

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

- `exercise15/view/invoice.cfm`
- `exercise15/view/includes/invoice.details.cfm`
- `exercise15/view/includes/invoice.items.cfm`
- `exercise15/view/includes/checkout.totals.cfm`

Open </exercise15/index.cfm> in your web browser, add products to your cart and place an order. Lookup the generated Order Document in your Couchbase Admin Console.