**Reservation Service**

**R1: Add Product Operation**

**Url:** <http://localhost:3674/reservation/cart/697b7223-7ef6-4348-904b-26c8b11cd43c>

**Method: PUT**

**Input:**

<Cart xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/

2001/XMLSchema" xmlns="http://api.redbox.com/v3/Reservations">

<UserId>1690412</UserId>

<StoreRef>1519</StoreRef>

<CardId>57758084756894</CardId>

<ProductRef>497b7223-7ef6-4348-904b-26c8b11cd43c</ProductRef>

</Cart>

**Output**:

<CartValidation xmlns="http://api.redbox.com/v3/Reservations" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">

<Cart>

<UserId>1690412</UserId>

<StoreRef>1519</StoreRef>

<CardId>57758084756894</CardId>

<ProductRef>497b7223-7ef6-4348-904b-26c8b11cd43c</ProductRef>

<ProductRef>697b7223-7ef6-4348-904b-26c8b11cd43c</ProductRef>

<DiscountsApplied/>

</Cart>

<ErrorMessages/>

<Errors/>

</CartValidation>

**R2: Delete Product Operation**

**Url :** <http://localhost:3674/reservation/cart/497b7223-7ef6-4348-904b-26c8b11cd43d>

**Method**: DELETE

**Input:**

<Cart xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/

2001/XMLSchema" xmlns="http://api.redbox.com/v3/Reservations">

<UserId>1690412</UserId>

<StoreRef>1519</StoreRef>

<CardId>57758084756894</CardId>

<ProductRef>497b7223-7ef6-4348-904b-26c8b11cd43c</ProductRef>

</Cart>

**Output**:

<CartValidation xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">

<Cart>

<UserId xmlns="http://api.redbox.com/v3/Reservations">1690412</UserId>

<StoreRef xmlns="http://api.redbox.com/v3/Reservations">1519</StoreRef>

<CardId xmlns="http://api.redbox.com/v3/Reservations">57758084756894</CardId>

<ProductRef xmlns="http://api.redbox.com/v3/Reservations">497b7223-7ef6-4348-904b-26c8b11cd43c</ProductRef>

<DiscountsApplied xmlns="http://api.redbox.com/v3/Reservations"/>

</Cart>

<ErrorMessages>

<Message>InventoryNotAvailable</Message>

</ErrorMessages>

<Errors>

<Err Category="InventoryNotAvailable" Error="InventoryNotAvailable">

<ProductRef>497b7223-7ef6-4348-904b-26c8b11cd43d</ProductRef>

</Err>

</Errors>

</CartValidation>

**R3: Assign Store Operation**

**Url :** http://localhost:3674/reservation/assignstore/497b7223-7ef6-4348-904b-26c8b11cd43c

**Method**: POST

**Input:**

<Cart xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/

2001/XMLSchema" xmlns="http://api.redbox.com/v3/Reservations">

<UserId>1690412</UserId>

<StoreRef>1519</StoreRef>

<CardId>57758084756894</CardId>

<ProductRef>497b7223-7ff6-4348-904b-27c8b11cd43d</ProductRef>

</Cart>

**Output**:

<CartValidation xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">

<Cart>

<UserId xmlns="http://api.redbox.com/v3/Reservations">1690412</UserId>

<StoreRef xmlns="http://api.redbox.com/v3/Reservations">497b7223-7ef6-4348-904b-26c8b11cd43d</StoreRef>

<CardId xmlns="http://api.redbox.com/v3/Reservations">57758084756894</CardId>

<ProductRef xmlns="http://api.redbox.com/v3/Reservations">497b7223-7ef6-4348-904b-26c8b11cd43c</ProductRef>

<DiscountsApplied xmlns="http://api.redbox.com/v3/Reservations"/>

</Cart>

<ErrorMessages/>

<Errors/>

</CartValidation>

**R4: Price Cart Operation**

**Url :** http://localhost:3674/Reservation/ExecuteReservationPricingPipeline

**Method** : POST

**Input:**

<Cart xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns="http://api.redbox.com/v3/Reservations">

<UserId>1690412</UserId>

<StoreRef>179C6537-FC1E-4947-A443-3CC90428B971</StoreRef>

<CardId>57758084756894</CardId>

<ProductRef>497b7223-7ef6-4348-904b-26c8b11cd43c</ProductRef>

</Cart>

**Output:**

<PricedCartResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns="http://api.redbox.com/v3/Reservations">

<Cart>

<UserId>1690412</UserId>

<StoreRef>179C6537-FC1E-4947-A443-3CC90428B971</StoreRef>

<Online>true</Online>

<CardId>57758084756894</CardId>

<CartItems>

<CartItem ProductRef="497b7223-7ef6-4348-904b-26c8b11cd43c" Name="Jerry Maguire" ProductType="Movie" Price="1" ImageUrl="" Discount="0" DiscountedPrice="1" ExtraPrice="0" Format="DVD" ItemStatus="Valid" Rating="G" />

</CartItems>

<SubTotal>1</SubTotal>

<DiscountedSubTotal>1</DiscountedSubTotal>

<GrandTotal>1.08</GrandTotal>

<Tax>0.08</Tax>

<DiscountsApplied />

</Cart>

<Validations>

<ErrorMessages />

<Errors />

</Validations>

</PricedCartResponse>

**R5: Check Out Operation**

**Url :** http://localhost:3674/Reservation

**Method**: POST

**Input:**

<PricedCart xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns="http://api.redbox.com/v3/Reservations">

<UserId>2074989</UserId>

<StoreRef>179C6537-FC1E-4947-A443-3CC90428B971</StoreRef>

<Online>true</Online>

<CardId>18368475739307</CardId>

<CartItems>

<CartItem ProductRef="497b7223-7ef6-4348-904b-26c8b11cd43c" Name="Kick-Ass" ProductType="Movie" Price="1" ImageUrl="" Discount="0" DiscountedPrice="1" ExtraPrice="0" Format="DVD" ItemStatus="Valid" Rating="G" />

</CartItems>

<SubTotal>1</SubTotal>

<DiscountedSubTotal>1</DiscountedSubTotal>

<GrandTotal>1.08</GrandTotal>

<Tax>0.08</Tax>

</PricedCart>

**Output**:

<ReservationResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns="http://api.redbox.com/v3/Reservations">

<Cart>

<UserId>2074989</UserId>

<StoreRef>179C6537-FC1E-4947-A443-3CC90428B971</StoreRef>

<Online>true</Online>

<CardId>18368475739307</CardId>

<CartItems>

<CartItem ProductRef="497b7223-7ef6-4348-904b-26c8b11cd43c " Name="Jerry Maguire" ProductType="Movie" Price="1" ImageUrl="" Discount="0" DiscountedPrice="1" ExtraPrice="0" Format="DVD" ItemStatus="Valid" Rating="G" />

</CartItems>

<SubTotal>1</SubTotal>

<DiscountedSubTotal>1</DiscountedSubTotal>

<GrandTotal>1.08</GrandTotal>

<Tax>0.08</Tax>

<DiscountsApplied />

</Cart>

<Validations>

<ErrorMessages />

<Errors />

</Validations>

<ReservationId>5011420</ReservationId>

<PickupBy>2011-06-16T21:00:00</PickupBy>

</ReservationResponse>