**Checkout Api Documentation**

**Base Url: https://checkoutapi.azurewebsites.net**

**Models:**

**Order:**

“id”: string (uuid),

“items”: collection of Item

**Item:**

“id”: string (uuid),

“name”: string,

“quantity”: integer

**Request Methods:**

|  |  |
| --- | --- |
| **Create Order** (Http Method: Post)  Returns: application/json  Url: “/” | |
| **Request** | **Response** |
| Request Body:  -Order | {  “entity”: Order,  “message”: string  } |
| **Error Messages:**  “CreateOrder: request is null” – null order sent in request  “CreateOrder: order could not be created” – error creating order in the data store | |

|  |  |
| --- | --- |
| **Add Item to Order** (Http Method: Post)  Returns: application/json  Url: “/{orderId}/items” | |
| **Request** | **Response** |
| Request Url:  OrderId: string (uuid)  Request Body:  -Item | {  “entity”: Order,  “message”: string  } |
| **Error Messages:**  “AddItemToOrder: order not found” – OrderId does not match a current order in the data store  “AddItemToOrder: item could not be added to order” – error creating adding item to order | |

|  |  |
| --- | --- |
| **Remove Item from Order** (Http Method: Delete)  Returns: application/json  Url: “/{orderId}/items/{itemId}” | |
| **Request** | **Response** |
| Request Url:  OrderId: string (uuid)  ItemId: string (uuid) | {  “entity”: Order,  “message”: string  } |
| **Error Messages:**  “RemoveItemFromOrder: orderId is invalid” – an incorrect OrderId was sent  “RemoveItemFromOrder: itemId is invalid” – an incorrect ItemId was sent  “RemoveItemFromOrder: order not found” - OrderId does not match a current order in the data store.  “RemoveItemFromOrder: item not found” - ItemId does not match a current item for the order in the data store.  “RemoveItemFromOrder: item could not be removed from order” – an error occurred in the data store when attempting to remove the item. | |

|  |  |
| --- | --- |
| **Update Item Quantity** (Http Method: Patch)  Returns: application/json  Url: “/{orderId}/items/{itemId}/quantity” | |
| **Request** | **Response** |
| Request Url:  OrderId: string (uuid)  ItemId: string (uuid)  Request Body:  Quantity: string | {  “entity”: Order,  “message”: string  } |
| **Error Messages:**  “UpdateItemQuantity: orderId is invalid” – an incorrect OrderId was sent  “UpdateItemQuantity: itemId is invalid” – an incorrect ItemId was sent  “UpdateItemQuantity: order not found” - OrderId does not match a current order in the data store.  “UpdateItemQuantity: item not found” - ItemId does not match a current item for the order in the data store.  “UpdateItemQuantity: quantity could not be updated” – An error occurred when attempting to update the quantity in the data store. | |

|  |  |
| --- | --- |
| **Clear Items** (Http Method: Patch)  Returns: application/json  Url: “/{orderId}” | |
| **Request** | **Response** |
| Request Url:  OrderId: string (uuid) | {  “entity”: Order,  “message”: string  } |
| **Error Messages:**  “ClearItems: orderId is invalid” – an incorrect OrderId was sent  “ClearItems: itemId is invalid” – an incorrect ItemId was sent  “ClearItems: items could not be deleted” – An error occurred when attempting to remove the items in the data store. | |