CheckOut Basket Management

There are two projects:

1. Checkout.BasketManagement.Service

   This is service, having Rest routes, to manage items in basket.

   There are five interfaces in API:

1.1 Show/Items?Category=

Lists all items from data source. The category is optional and while given it must be **“Electronic”** or **“Footwear”.**

1.2 Basket/Items

Lists all items in basket. Basket is used to hold list of selected items by users.

1.3 Basket/Items/add

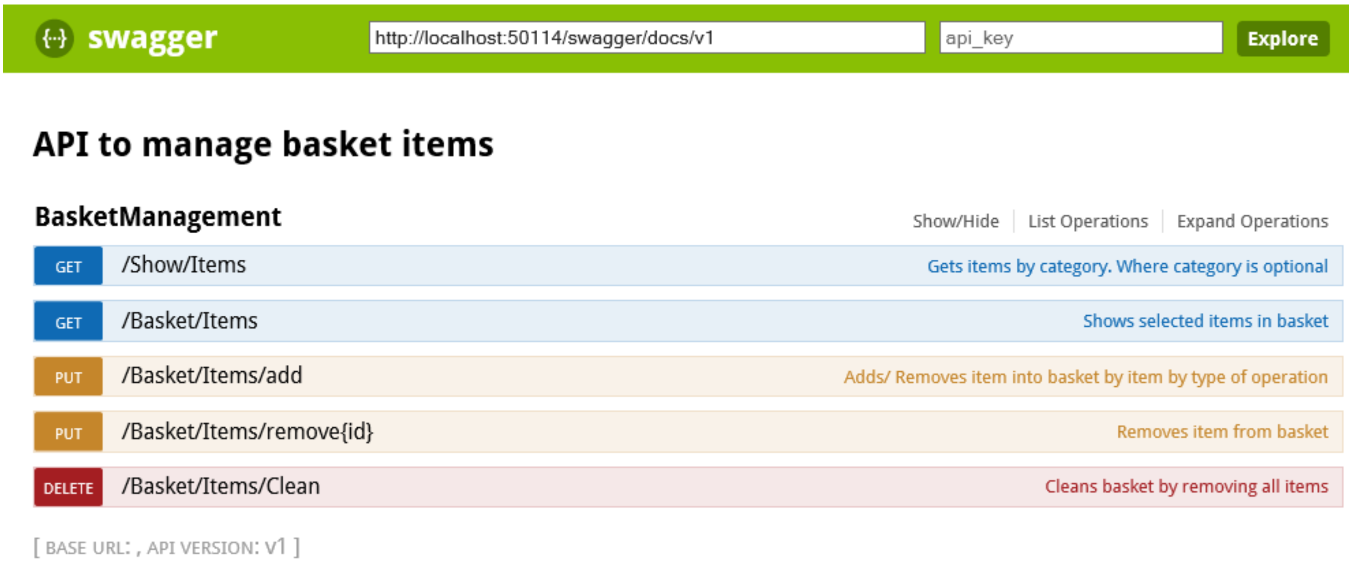
Adds item into basket. The parameters are “**Category**”, “**Item**”, and “**Id**”. Category values should be “Electronic” or “Footwear”.
Item value should be “**Laptop**”, “**Mobile**”, or “**Shoes**”. Id values can be from 1-9.

1.4 Basket/Items/remove

Removes items from basket by given Id.

1.5 Basket/Items/Clean

Cleans the basket out of items.



API to manage basket items

BasketManagement

GET	/Show/Items	Gets items by category. Where category is optional
GET	/Basket/Items	Shows selected items in basket
PUT	/Basket/Items/add	Adds/ Removes item into basket by item by type of operation
PUT	/Basket/Items/remove{id}	Removes item from basket
DELETE	/Basket/Items/Clean	Cleans basket by removing all items

[BASE URL: , API VERSION: v1]

2. Checkout.BasketManagement.Plugin

This is very thin dll, which access service api.

There are two interfaces; which can be used by clients:

2.1 BasketManagement.Fetch(string source, string category)

This is method is used to list items by source and by category.

Allowed source values are “Basket”, “FilterFromDataSource”.

Allowed category values are “Electronic”, “Footwear”

2.2 BasketManagement. Manage(ManageRequest request)

Manage method is used to act over baskets. There are following actions allowed over basket:

2.2.1 Add (Calls service to add item to basket)

2.2.2 Remove (Calls service to remove item from basket)

2.2.3 Clean (Calls service to clean all items from basket)

3. TODO

3.1 Logging (using Nlog) needs to be implemented

3.2 Needs a bit refactoring

3.3 Unit test needs to be written