Recently Viewed Products

Contents

[Objective 2](#_Toc78215926)

[Prerequisite 2](#_Toc78215927)

[Module Creation: 2](#_Toc78215928)

[Modules Extension. 2](#_Toc78215929)

[Steps to consume and test the sample code. 3](#_Toc78215930)

# Objective

Create a module that will read recently viewed productids from cookie and those products will be shown to users on product description page (for both anonymous and authenticated users).

Graphical user interface, application, Teams

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# Prerequisite

* SSK Module code need to be deployed and running.

Reference link: <https://docs.microsoft.com/en-us/dynamics365/commerce/e-commerce-extensibility/setup-dev-environment>

* Need to configure the buybox for new configurations to enable this feature.

# Module Creation:

**Custom-recently-viewed-products:** A new module has been created like product collection module which will read the product ids from cookie and render the products as product collection on product description page.

# Modules Extension.

**Buybox module** **definition Extension:** Below are the new configurations that has been added to buybox definition extension.

1. **trackRecentlyViewedItems**: It is a boolean type. By enabling this, product id will be written to the cookie on pdp page load. Default value is **false**.
2. **maxRecentlyViewedItemsCount**: It is a number type, the cookie will contain max configured number of last viewed product ids. Default value is **10**.
3. **recentlyViewedProductsCookieName**: A string type configuration at module level to define the name/key of the cookie that is used for this feature.

**Buybox module view extension:** Code changes to update cookie(\_msdyn365\_\_\_recently\_viewed\_products) with recent products in the buybox view extension file.

# Steps to consume and test the sample code.

**Option-1:** Follow below steps to consume the attached sample code to implement and test this feature.

1. Unzip the attached code and save it to some location.
2. Copy files and folders under the same folder structure in your repository as it’s there in sample.zip.
3. Execute yarn on the root path of your repository.
4. Execute yarn build.
5. Execute yarn start.
6. Browse the configured product page using pagemock using below sample url.

<https://localhost:4000/partnersite/page?mock=testmock>

**Note**: check for the right *partnersite* in .env file of your repository and make a change in url accordingly.

**Option-2:** If the buybox definition and view is alreadyextended in the repository where you want to implement this feature, you need to manually plugin the code from the attached sample files to the respective files. Please follow below steps for the same.

1. **New Module Creation**: copy **Custom-recently-viewed-products** module from sample code and paste it under “\src\modules” path of the repository.
2. **buybox.definition.ext.json(definition extension file for buybox module)**

* **trackRecentlyViewedItems**: It is a boolean type. By enabling this, product id will be written to the cookie on pdp page load. Default value is **false**.
* **maxRecentlyViewedItemsCount**: It is a number type, the cookie will contain max configured number of last viewed product ids. Default value is **10**.
* **recentlyViewedProductsCookieName**: A string type configuration at module level to define the name/key of the cookie that is used for this feature.

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**Note:** Cookie name(\_msdyn365\_\_\_recently\_viewed\_products) is used by default in case if it is not configured at CMS for buybox module and cookie age (1year).

1. **buybox.view.tsx(view extension file for buybox module):** Code changes to update cookie(\_msdyn365\_\_\_recently\_viewed\_products) with recent products in the buybox view extension file.

* **Add a check in *BuyboxView* function to see the configuration used to enable this feature.** Refer below code snippet for the same

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* **Add a constant function to update recently viewed items in cookie.** Refer below code snippet for the same

Graphical user interface, text

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1. **Build the repository**: Execute *yarn build* from command line interface on your repository after making above code changes.
2. **Test the code changes:**

Execute *yarn start*.

Browse the configured product description page using pagemock using below sample url.

<https://localhost:4000/partnersite/page?mock=testmock>

**Note**: check for the right *partnersite* in .env file of your repository and make a change in url accordingly.

**Note**: The sample code is tested on below package version:

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