CSV to YML Generator for JSS application

Module Sitecore Hackathon Category:

Best use of Headless using JSS or .NET

Module Purpose:

Its very tedious jobs for front end developer to create bulk of en.yml files for creating route pages for angular or react based JSS application in disconnected approach. Our tool will automatically create en.yml files from provided CSV file based on template YML file.

Approach:

1. Basically front end developers create YML files manually then they deploy it to Sitecore as
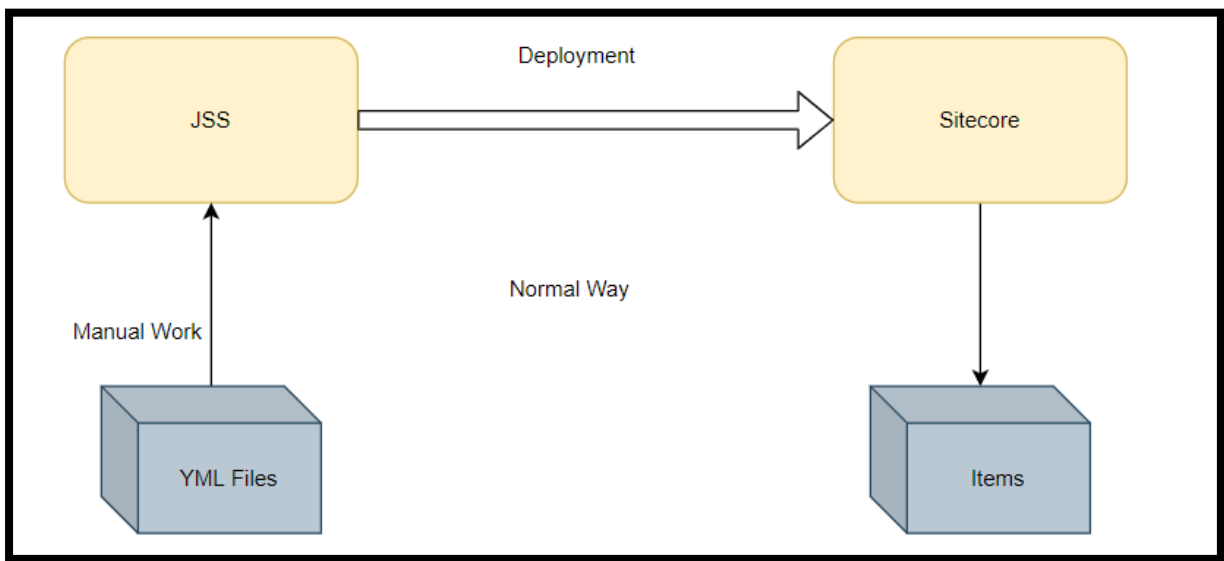
2. Our tool will generate all these YML files in bulk from CSV files based on provided template of en.yml file which can be easily deploy to Sitecore as
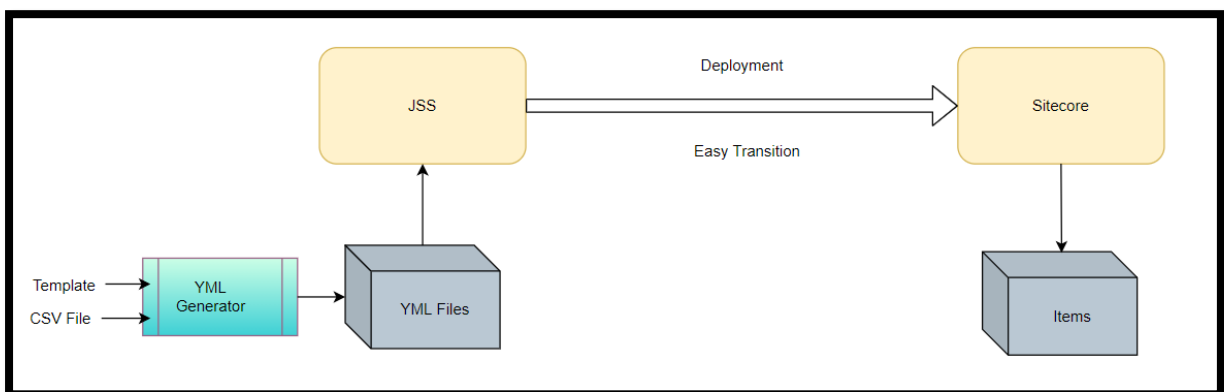
3. This tool will save time, efforts of frontend developers.
4. Once Sitecore items are created from these en.yml files, once can access items from running JSS application on localhost and at the same time one can also access it form Sitecore.

Installation Instructions:

1. Download zip file from https://github.com/Sitecore-Hackathon/2021-SAM/blob/main/src/Hackathon.zip
2. Unzip it.
3. Run "\Hackathon\CSVToYMLConverter\CSVToYMLConverter\bin\Debug\CSVToYMLConverter.exe"

How does the end user use the Module?

1. Create a CSV file for which you want to create YML files as

Title	Description	Author	ArticleId	BlogImage		
Content Delivery	The Content Delivery (CD) role handles requests from visitors across channels, determines which content to serve, and renders output in the relevant format for the channel. You can configure one or more content delivery servers for improved scalability and better performance. If you expect to have high numbers of visitors or want to configure servers in different geographic locations, you can arrange content delivery servers	Bill	f4931a80-787f-4539-b6f8-3eae3bef8830	CD.png		
Content Management	The Content Management (CM) role enables authors to create, manage, and publish content.	Sachin	adb80a5e-914e-40c4-ac7c-9a33c84e04a2	CM.png		
Content Publishing	The Content Publishing (CP) service publishes content from the Master database to Web database and is an optional replacement for the Sitecore publishing methods that are part of the Content Management role.	Narendra	0c808d7f-185f-4835-aa1c-cc1a1c60465a	CP.png		
xConnect Collection service	The xConnect Collection service can be accessed using the xConnect Client API or another API that consumes the oData service.	Amit	8fae6fa9-01bb-4579-aaa5-80c59287d9ed	xconnect-collection-service.png		
xConnect Collection Search service	The xConnect Collection Search service allows you to search contacts and interactions using the xConnect Client API or another API that consumes the oData service. This role can also collect data.	Steve	c27a804e-bffd-4ec7-aab7-afed9896d377	xconnect-collection-search-service.png		

2. Create a YML based template file in which specify placeholders for CSV fields as

```
en.yml
1   id: {{Title}}
2   fields:
3     pageTitle: {{Title}}
4   placeholders:
5     jss-main:
6       - componentName: Article
7       fields:
8         ArticleId: {{ArticleId}}
9         Title: {{Title}}
10        Description: |
11          {{Description}}
12        Author: {{Author}}
13        BlogImage:
14          src: /data/media/img/{{BlogImage}}
15          alt: {{BlogImage}}
```

3. Run "\Hackathon\CSVToYMLConverter\CSVToYMLConverter\bin\Debug\CSVToYMLConverter.exe"

4. Browse your CSV file, YML file template, location where you want to create YML files, language name and select field for item name.
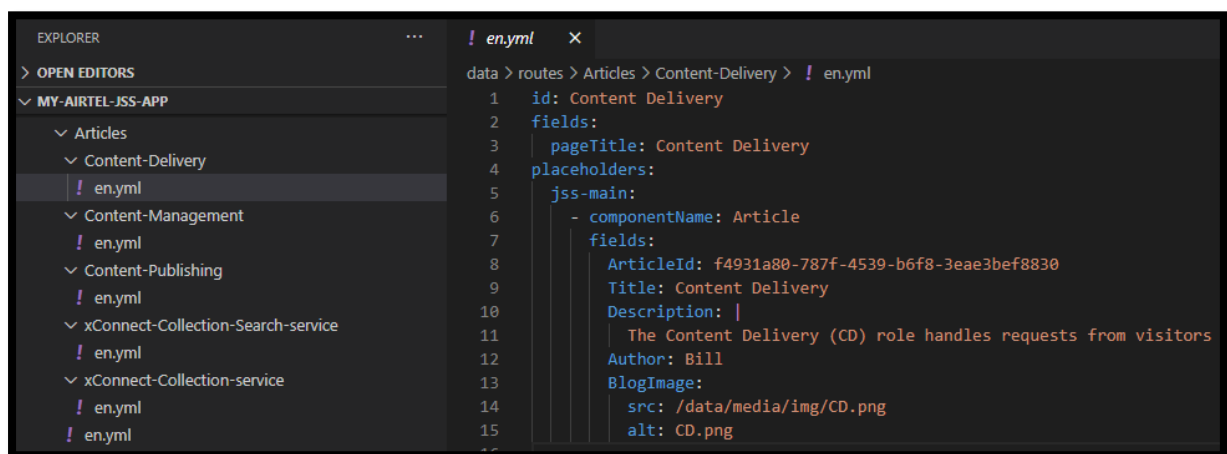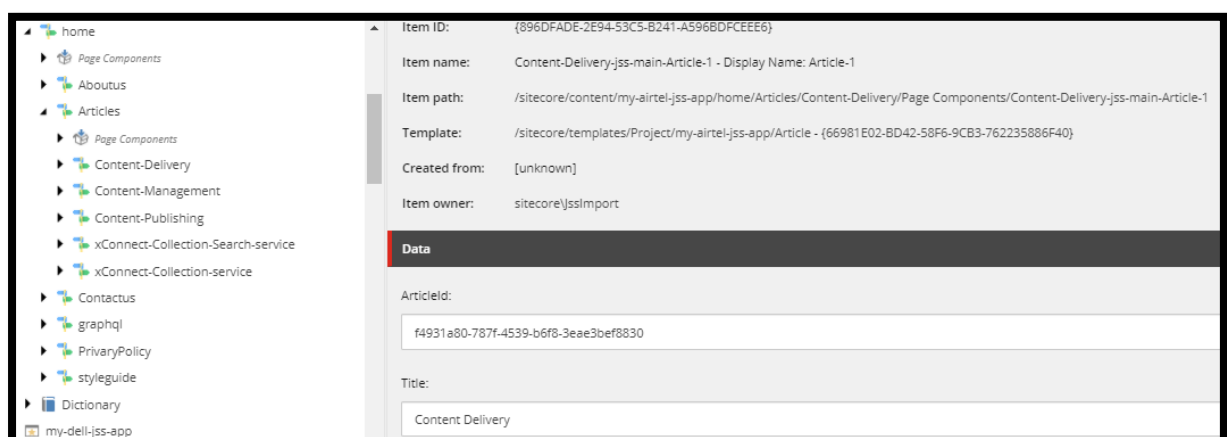5. Click RUN

6. After successful operation, this tool will create yml files at the specified Target folder as
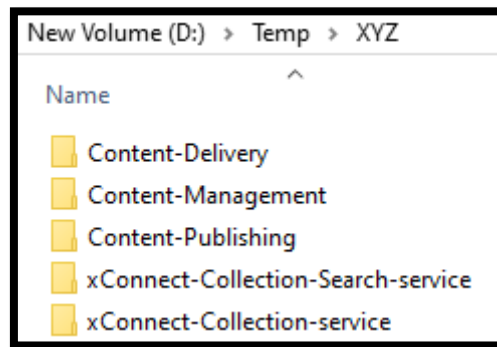
7. When you open it in VS Code, it should look similar to this

5. You can also deploy it to Sitecore using "jss deploy app -c -d" command.
6. On successfully deployed, your items should be available to Sitecore as

Youtube Video:

https://youtu.be/EA8PZweoZ7U