**Title: Notes Preview Feature**

**Functionality:** This document covers section 8 of specification document

**Description:**

**What is developed?**

* When user clicks on a notes preview from IPS user will be redirected to next page where he/she can view the details of the resource-note.
* Here svg file is displayed.
* User can download pdf file by clicking on ‘Download’ button.

**How it is developed?**

* When user clicks on link preview from IPS hidden code will be passed to server side method CallBasedOnMediaHandlerID().
* It will check whether the file exists at specified path (D: /Projects/TSFX Genform/Genform/Source/forms/Data/AppRead/Resource/resource.xml) and if it exist then it will check whether the file data exist into cache memory.
* If file does not exist into cache memory then system will read the file and stoire it in cache memory.
* If file exist into cache memory then system will check whether the file has been modified or not. If file is modified then system will again read it and store it into cache memory.
* To show Notes preview details based on HiddenCode value passed, Resource.xml file is read from ‘AppRead’ folder.
* System checks if the hiddencode exists in the XML file.
* If the hiddencode exists, system will get its details along with the file names, file size, description, etc.
* The MediaHandlerId=1, 6 or 7 will be shown as Notes Preview.
* Based on the PDF file from ‘AppWriteWebRead/ResourceData’ folder, system will read that pdf file and will separate out each pdf page from the PDf file and then convert it into SVG file using Inkscape and finally all the svg files are merged to create a single svg file.
* After creation of SVG file, it will be placed in ‘AppWriteWebRead/Resource’ folder and Notes Preview will show that SVG file.
* If the pdf file on ‘AppWriteWebRead/ResourceData’ are having more than one file with ‘-Preview’ version then sytem will check the modified date. If the modified date of it is more than the original pdf file then ‘-Preview’ version will be used and wil be converted to svg file else the original pdf version will be used.
* Suppose if the svg file already exists then system will not create the new one but will show existing one and it will be created only when pdf file is modified.
* On clicking of ‘Download’ api will be called to read the pdf file contents and return it.

**Where to find code?**

* **Templates**: TSFXGenformWeb > templates > Resources > linkPreview.html.
* **Clientside** :
  + Controller : TSFXGenformWeb > app > controllers > resources > resourceNoteController.ts
  + Service : TSFXGenformWeb > app > services > resources > resourceNoteService.ts
* **Controllers** : TSFXGenform.Core > Controllers > ResourceController.cs
  + Methods :
    - CallBasedOnMediaHandlerID() :It will read the xml file and return selected resource for passed hiddencode.
    - CreateResourcesNotesPreview () : It will svg file path.
    - GetResourceDetailsForHiddenCodePassed():It will return selected resource.
* **Repository** : TSFXGenform.Repository > Repository > ResourceRepository.cs ,Cache Repository.cs, XmlDataRepository.cs
* **Repository** : TSFXGenform.Repository > IRepository > IResourceRepository.cs ,ICache Repository.cs, IXmlDataRepository.cs

**Path:**

**XML file path:** forms/Data/AppRead/Resource/resource.xml.

**PdfFile Path**: forms/Data/AppWriteWebRead/ResourceData/hiddencode

**SvgFile Path**: forms/Data/AppWriteWebRead/Resource/hiddencode/filename\_1.svg