***Module 1****: reference\_config.py*

Objective:

* To create a generic configuration file for each unknown form ingested into the system
* Please note that this process will be required only once per form type
* Processing on the subsequent incoming forms would be done based on the configuration file created by this process

Input:

* Image of an unknown form type (PNG file), and a coordinate based configuration file (created manually or using the UI)
* The configuration file should only cater to the particular instance of the form, without worrying about the possible variations in the subsequent inputs.

Output:

* A reference based configuration file which can be utilized for slicing elements from any future instances of the same form type

Test Cases:

*python reference\_config\_v2.py CMS1500\_FrasierClean.png CMS1500\_config\_WF\_v2.json*

*python reference\_config\_v2.py image\_processing1.jpg SBI\_config.json*

***Module 2****: form\_slicing.py*

Objective:

* Ingest all subsequent incoming forms of a known type using the generic configuration file created above
* The process is now generalized and can be used for ingesting any instance of the form type

Input:

* New instance of the known form types and the corresponding reference based configuration file created in the step above

Output:

* A coordinate based configuration file specific to that particular instance of the form, which can further be used for slicing the image
* A separate file would be generated for each instance, thus allowing for variability in format (semi-structured)

Test Cases:

*python form\_slicing\_v3.py output.png CMS1500\_config\_WF\_v2\_ref.json*

*python form\_slicing\_v3.py CMS1500\_FlemmingClean.png CMS1500\_config\_WF\_v2\_ref.json*

*python form\_slicing\_v3.py image\_processing2.png SBI\_config\_ref.json*