

- 1) Formatting alignment (using common sense)

```
self.path      = event.get('path'      , ''      )
self.method    = event.get('httpMethod', ''      )
self.headers   = event.get('headers'   , {}      )
self.domain_prefix = event.get('requestContext', {}).get('domainPrefix')
```

- 2) Parameter formatting (Readable and easy to find issues if any)

```
def __init__(self, event):
    """
    :param event: The event dictionary
    """
    self.body      = event.get('body'      , {})
    self.path      = event.get('path'      , '' )
    self.headers   = event.get('headers'   , {} )
    self.method    = event.get('httpMethod', '' )
    self.domain_prefix = event.get('requestContext', {}).get('domainPrefix')
    self.target    = self.domain_parser ( self.domain_prefix, self.path )
    self.request_headers = { 'accept'      : self.headers.get('headers'      ),
                             'User-Agent'  : self.headers.get('User-Agent'   ),
                             'accept-encoding': self.headers.get('accept-encoding')}
```

- 3) Separate classes in separate files
- 4) Class names to follow upper camel case (class names should have underscores between words).e.g  
class Http\_Api\_Issues:
- 5) File names should match the class name. E.g. Above file to be saved as  
"Http\_Api\_Issues.py"
- 6) Function names to follow lower camel case e.g  
def get\_all\_issues():
- 7) We don't follow any standards e.g. PEP. Code readability and easy to understand and debug are must.,

E.g. Compare

```
CONST_STACKOVERFLOW      = 'stackoverflow'
CONST_GLASSWALL           = 'glasswall'
CONST_GW_PROXY           = 'gw-proxy'
```

With

```
CONST_STACKOVERFLOW='stackoverflow'
```

```
CONST_GLASSWALL='glasswall'
```

```
CONST_GW_PROXY='gw-proxy'
```

The former looks more readable.

8) Commit often and with clear commit messages

9) Put CONST (when used) on separate python, json or yaml files

```
CONST_STACKOVERFLOW    = 'stackoverflow'
CONST_GLASSWALL         = 'glasswall'
CONST_GW_PROXY         = 'gw-proxy'

CONST_DEFAULT_SITE      = 'https://glasswall-file-drop.azurewebsites.net{}'
CONST_SITE_STACKOVERFLOW = 'https://stackoverflow.com{}'
CONST_SITE_GLASSWALL    = 'https://www.glasswallsolutions.com{}'

CONST_BINARY_TYPES     = [ "application/octet-stream" ,
                           "application/x-protobuf"   ,
                           "application/x-tar"        ,
                           "application/zip"          ,
                           "image/png"                ,
                           "image/jpeg"              ,
                           "image/jpg"               ,
                           "image/tiff"              ,
                           "image/webp"              ,
                           "image/jp2"               ,
                           'font/woff'               ,
                           'font/woff2'              ]

CONST_ORIGINAL_GW_SITE  = 'glasswallsolutions.com'
CONST_REPLACED_GW_SITE  = 'glasswall.gw-proxy.com'

CONST_ORIGINAL_STACKOVERFLOW = 'Stack Overflow'
CONST_REPLACED_STACKOVERFLOW = '<b>[CHANGED BY THE PROXY]</b>'
```

10) Code lengths should be based on code readability (for example in the case below, it is better to put all of that in one line)

```
CONST_PARTNERED = 'We have partnered with Royal Airforce and Royal ' \
                  'Navy to take STEM to The Belvedere Academy in Liverpool'
```

```
CONST_PARTNERED = 'We have partnered with Royal Airforce and Royal Na'
```

11) You can use whatever font size or face you want, as long as that setting is not pushed to the main repo