Static Class Diagram

HttpClient

ImageProcessing

+ userImage : String

+ applyContrast() : Image
+ applyCrop() : Image
+ getXYCrop() : Image

BlockCodeDB

- HTML_Codes: HashMap
- CSVFile : String

+ getBlockCodeByTag() : String
+ LoadFile()

BlockBehaviorDB

- JS_BehaviorCode: HashMap
- AttributesCode: HashMap
- CSVFile : String

+ getJSBehaviorCodeByTag() : String
+ getAttrubuteCodeByTag() : String
+ LoadFile()

WebConstructor

+ HTMLCode : String
+ CSSCode : String
+ JSCode : String

+ constructHTMLCode()
+ constructCSSCode()
+ constructJSCode()

+ getHTMLCode() : String
+ setHTMLCode()
+ getCSSCode() : String
+ setCSSCode()
+ getJSCode() : String
+ setJSCode()

ClientUpload

- sLog : Log
- userImage : String
- userImageType : String
- userDivice : String
- userUploadOptions : List String

+ userSubmitActionButtonEvent()
+ userCancelUploadButtonEvent()

+ uploadImage()
+ userSystemUploadRequest() : String
+ getUserUploadOptions() : Int
+ getSystemCameraImage() : String

+ isUploadCheck() : Bool
+ isValidExtention() : Bool
+ isFileReadable() : Bool

+ uploadDB(): Bool
+ getUploadState(): Int
+ throwPopupMessage()
+ displayMainPage()

+ *Getter/ Setter for Web Page UI*

AnalyzerAI

+ BlockTagList : List
+ KeywoardTagList : List
+ BehaviorTagList: List
- sLog : Log
- TF : MLModel
- ImageOCR: OCR
- currentIDAssign : Int

+ run()
+ InitializeMLModel()
+ trainDetectionModel()

+ detectedBlockObjectEvent() : Int
+ detectedAttrObjectEvent() : Int

+ createNewSingleBlock()
+ updateDisplayDetectedObject()

+ getCurrentProcessPercentage() : Int
+ getReaminProcessTimeSecond() : Int

+ *Getter/ Setter for Web Page UI*

SingleBlock

- blockID : Int
- blockType : Int
- attributes : List
- behaviors : List
- blockCode : String

+ constructBlockCode()

+ setBlockID()
+ getBlockID() : Int
+ setBlockType()
+ getBlockType() : Int
+ addAttribute()
+ removeAttribute()
+ getAttribute() : List
+ addBehavior()
+ removeBehavior()
+ getBehavior() : List
+ setHTMLCode()
+ getHTMLCode() : String

CodeEditor

+ HTMLEditBox : Textbox
+ CSSEditBox : Textbox
+ JSEditBox : Textbox

+ updateRender()
+ userDownloadEvent()
+ userCopyClipboardEvent()

+ *Other Getter/ Setter for Web Page UI*

OCR

- OCRImage : Image
- processedOCR: String

+ getText() : String
+ setImage()
+ ConvertOCR()

Blocks

- blocksDB : HashMap<Integer, Object>

+ getBlockByID(): Object
+ addBlock()
+ removeBlock()

ZipCompress

+ generateZip()
+ systemDownload()