**Ideapoke Technologies Pvt. Ltd.**



**Common Methods Document**

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| 17-09-2021 | V1.0-0 | Initial draft | Indu | [uravakonda.indu@ideapoke.com](mailto:sanoj.kumar@ideapoke.com) |
| 17-09-2021 | V1.0-0 | Initial draft | Sreenivas | [sreenivasulu.reddy@ideapoke.com](mailto:sreenivasulu.reddy@ideapoke.com) |
|  |  |  |  |  |

* **Document reviews**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Email** | **Role** | **Date** | **Comments** |
| Niharika | Niharika.ta@ideapoke.com | Sr.Team Lead | 20-9-2021 | Reviewed |
|  |  |  |  |  |

* **Document approval**

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1. **INTRODUCTION**

## **1.1. Scope of the Document:**

The objective of this document is to maintain all common methods which will be used throughout the application. It will be helpful to the team to check at any point in time how we can use common methods.

The team can refer to this document to avoid writing unnecessary methods in the individual files which are already declared in common file.

**1.2 Target Audience:**

This document is targeted (but not limited) to technical stakeholders:

* Development Team
* IT Management

1. **Common Methods**

**Project Name: IPEnterpriseApps**

**Package name: com.eims.blueprint.utile**

* **Java File name: Common**

1. getUserAgentInfo() - This method used to get browser info (To know which browser user accessing the platform)
   * Input parameter: NA
   * Return: useragentinfo
2. getUserAgentVersionInfo() - This method used to get browser version.
   * Input parameter: NA
   * Return: useragentversioninfo
3. getGeoPortalnfo() - This method used to get device info (To know which device user accessing the platform)
   * Input parameter: NA
   * Return: geoportalinfo
4. getGeoLocationInfo() - This method used to get user location details like city, country, region, zip code
   * Input parameter: stripaddress
   * Return: geolocationinfo
5. findLinkType() - This method used to identify uploaded document type (with the help file extension will decide the document type)
   * Input parameter: linkurl
   * Return: attachmenttype
6. findImageByHttpClient() - This method used to identify linkurl contains image / other attachment format
   * Input parameter: linkurl
   * Return: contenttype
7. getContentFromJsoup() - This is to scrap the URL and get the document.
   * Input parameter: linkurl
   * Return: doc
8. saveUploadedDocuments() - To convert uploaded json file format to HashMap
   * Input parameter: strfileuploads
   * Return: hashmap
9. saveAttachments() - This method to set the attachments data set to common pojo class.
   * Input parameter: lstfilelist
   * Return: hashmap
10. findFileTypeByExtension() - This method identifies uploaded file type by extension of the file.
    * Input parameter: strimgext (Image extension)
    * Return: strfiletype
11. copyFilesFrmSrcToDestination() - This method used to copy the uploaded file from temporary path to destination path
12. removeHtmlElements() - To remove the html elements from the text.
    * Input parameter: text
    * Return: text
13. getActualDateFormat() - To pass the date to get the particular format.
    * Input parameter: eachdate
    * Return: date
14. isNumber() - To pass the value and it will check the whether it is number or not.
    * Input parameter: s
    * Return: true
15. findTimeDifference() - To pass the start time and end time and to get in hours.
    * Input parameter: lastconvtime, currentdate
    * Return: difference\_In\_Hours
16. postJsonHttpService() - TO pass the API url and params to get the response from the API.
    * Input parameter: url, data, header
    * Return: output
17. getActualDateAndTimeFormat() - To pass the date and get actual date and time.
    * Input parameter: eachdate
    * Return: date
18. dateToLocalTimeZoneFormat() - To convert date into local time zone format.
    * Input parameter: createddate
    * Return: localDate

* **Java File name: InnoBitlyURLShorten**

1. shortenURL() - Method to get short URL by passing longer URL.
   * Input parameter: link
   * Return: shortUrl

* **Java File name: MD5**

1. passwordDigest () - Method to encrypt the password Using MD5.
   * Input parameter: text
   * Return: strmd5hash
2. convertToHex() - Method to convert generated password from MD5 to hexa.
   * Input parameter: bytes(b)
   * Return: strhex

* **Java File name: TextMechanic**

1. getRandomText () - Method to generate random text by length
   * Input parameter: intlength
   * Return: strrandomtext
2. getDomainName() - Method to Get domain by emailid
   * Input parameter: struseremail
   * Return: strdomainname
3. getIntialCharCaps() - Method to Make first letter upper case
   * Input parameter: strsource
   * Return: strsource (Updated Text)
4. findUrlInDescription() - Method to find the url inside description
   * Input parameter: description
   * Return: description (Identified url and replace with proper redirection request like https)
5. createDirectory() - Method to Create directory
   * Input parameter: strfilepath
   * Return: boolsuccess
6. formatstring() - Method to format string URL's
   * Input parameter: strdesctoconvert
   * Return: strresult
7. Createzipfiles() - Method to Create zip file for download
   * Input parameter: strsourcedirname, strzipfileName, strzippath
   * Return: NA
8. copyFile () - Method to copy file form src to destination path (directly sending file path)
   * Input parameter: file, out
   * Return: NA
9. copyData() - Method to copy data (directly passing input and output stream)
   * Input parameter: in, out
   * Return: NA

**Note:** copyData() - Interlinked method of copyFile()

1. copyFolder() - Method to copy folder from src to destination
   * Input parameter : src , dest (File path)
   * Return: NA
2. replaceSpecialCharacters () - Method to replace special characters in text
   * Input parameter: strtext
   * Return: strtext
3. replacespecialchrinURL() - Method to replace special characters in URL
   * Input parameter: strfilename
   * Return: strfilename
4. replaceSpecialCharacterReverse() - Method to Replace special character to symbol
   * Input parameter: strdesctext
   * Return: strdesctext
5. replaceSpecialCharacterLink1
   * Input parameter: strdesctext
   * Return: strdesctext
6. generateVerificationKey() - Method to generate verification key while registering to the platform
   * Input parameter: NA
   * Return: strverificationKey
7. getRandomTextLU() - Method to generate random text which includes upper and lower case
   * Input parameter: length
   * Return: strrandomtext
8. generatePageName() - Method to generate page name
   * Input parameter: lstlsm, strpgname
   * Return: strpgname
9. getRandomTextForPageName
   * Input parameter: intlength, strtext
   * Return: strpagename

**Note:** getRandomTextForPageName () - Interlinked method of generatePageName ()

1. checkEndTag() - Method to check end tag in string content
   * Input parameter: strtext
   * Return: Boolean value (true / false)
2. findImageByHttpClient() - Method to verify image or not from URL
   * Input parameter: linkurl
   * Return: contentType
3. extractUrls() - Method to extract all the URLs from the description
   * Input parameter: strtext
   * Return: lstcontainedUrls
4. FindLinkType() - Method to find attached link type
   * Input parameter: linkurl
   * Return: attachmenttype

**Package name: com.eims.blueprint.dao**

* **Java File name: InnoGeneralDAO & InnoGeneralDAOImpl**

1. saveModel () - Method to save the data to the respective table
   * Input parameter: Object obj, String className
   * Return: NA
2. updateModel () - Method to update the data to the respective table
   * Input parameter: Object obj, String className
   * Return: NA
3. deleteModel () - Method to delete the data from respective table
   * Input parameter: Object obj, String className
   * Return: NA
4. findSchemaClass() - Method to define all the schema / pojo class name which we are using in the application
   * Input parameter: Object obj, String className
   * Return: obj

**Package name: com.eims.blueprint.constants**

* **Java File name: Constants**

From here we should call constant values which we need to use as per the requirement.