

# FileUtil

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## Description

- `org.joget.apps.form.service.FileUtil`
- Under `wflow-core` module
- Utility class to used to handle the files of a form

## Code Sample

```
import java.io.File;
import java.io.IOException;
import org.joget.apps.form.service.FileUtil;

String recordId = "ID-0001";
String tableName = "crm_contact";
String fileName = "profile_image.png";

//Get the uploaded file of a form data record
try {
    File profileImage = FileUtil.getFile(fileName, tableName, recordId);
} catch (IOException e) {}
```

## Methods

`checkAndUpdateFileName`

```
public static void checkAndUpdateFileName(org.joget.apps.form.model.FormRowSet results, org.joget.apps.form.model.Element form, java.lang.String primaryKeyValue)
```

Method used to check for the duplicate file name of files in the `FormRowSet` object against the existing files in the target upload directory.

It will update the file name by appending with number if found duplicated.

`checkAndUpdateFileName`

```
public static void checkAndUpdateFileName(org.joget.apps.form.model.FormRowSet results, java.lang.String tableName, java.lang.String primaryKeyValue)
```

Method used to check for the duplicate file name of files in the `FormRowSet` object against the existing files in the target upload directory.

It will update the file name by appending with number if found duplicated.

`getApplicationContext`

```
public static org.springframework.context.ApplicationContext getApplicationContext()
```

Utility method to retrieve the `ApplicationContext` of the system

`getFile`

```
public static java.io.File getFile(java.lang.String fileName, org.joget.apps.form.model.Element form, java.lang.String primaryKeyValue) throws java.io.IOException
```

Gets the file from target upload directory of a form data record

getFile

```
public static java.io.File getFile(java.lang.String fileName, java.lang.String tableName, java.lang.String primaryKeyValue) throws java.io.IOException
```

Gets the file from target upload directory of a form data record

getTableName

```
public static java.lang.String getTableName (org.joget.apps.form.model.Element form)
```

Method used to gets the table name from the properties of a Form object

getUploadPath

```
public static java.lang.String getUploadPath(org.joget.apps.form.model.Element form, java.lang.String primaryKeyValue)
```

Gets the target upload directory of a form data record

getUploadPath

```
public static java.lang.String getUploadPath(java.lang.String tableName, java.lang.String primaryKeyValue)
```

Gets the target upload directory of a form data record

storeFile

```
public static void storeFile(java.io.File file, java.lang.String tableName, java.lang.String primaryKeyValue)
```

Store file to target upload directory of a form data record

storeFile

```
public static void storeFile(org.springframework.web.multipart.MultipartFile file, org.joget.apps.form.model.Element form, java.lang.String primaryKeyValue)
```

Store file to target upload directory of a form data record

storeFileFromFormRowSet

```
public static void storeFileFromFormRowSet(org.joget.apps.form.model.FormRowSet results, org.joget.apps.form.model.Element form, java.lang.String primaryKeyValue)
```

Store files in the FormRowSet to target upload directory of a form data record

storeFileFromFormRowSet

```
public static void storeFileFromFormRowSet(org.joget.apps.form.model.FormRowSet results, java.lang.String tableName, java.lang.String primaryKeyValue)
```

Store files in the FormRowSet to target upload directory of a form data record

validateFileName

```
public static java.lang.String validateFileName(java.lang.String fileName, java.lang.String path, java.util.Set<java.lang.String> existedFileName)
```

Validate the file name against the existing files in the target upload directory.

**Parameters**

existedFileName - a set of file names which not yet exist in the target upload directory but the current checking file should not has the same file name in it.

**Return** the new file name with number appended when duplicate file is found.