

# JsonUtil

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## Description

- [org.joget.apps.datalist.service.JsonUtil](#)
- Under wflow-core module
- Utility class containing methods to create datalist from JSON
- This Utility class should not use directly. Please use [DataListService](#) instead.

## Code Sample

```

import org.joget.apps.app.dao.DatalistDefinitionDao;
import org.joget.apps.app.model.AppDefinition;
import org.joget.apps.app.model.DatalistDefinition;
import org.joget.apps.app.service.AppUtil;
import org.joget.apps.datalist.model.DataList;

AppService appService = (AppService) AppUtil.getApplicationContext().getBean("appService");
DatalistDefinitionDao datalistDefinitionDao = (DatalistDefinitionDao) AppUtil.getApplicationContext().getBean("datalistDefinitionDao");

String id = "crm_account";
String appId = "crm";
Long appVersion = appService.getPublishedVersion(appId);

AppDefinition appDef = appService.getAppDefinition(appId, appVersion.toString());
DatalistDefinition datalistDefinition = datalistDefinitionDao.loadById(id, appDef);

DataList dataList = JsonUtil.fromJson(datalistDefinition.getJson(), DataList.class);

```

## Fields

PROPERTY\_ACTION

```
public static final java.lang.String PROPERTY_ACTION = "action";
```

Key to retrieve the action value from JSON Object properties

PROPERTY\_ACTIONS

```
public static final java.lang.String PROPERTY_ACTIONS = "actions";
```

Key to retrieve the actions from JSON Object properties

PROPERTY\_BINDER

```
public static final java.lang.String PROPERTY_BINDER = "binder";
```

Key to retrieve the binder from JSON Object properties

PROPERTY\_CLASS\_NAME

```
public static final java.lang.String PROPERTY_CLASS_NAME = "className";
```

Key to retrieve the class name value from JSON Object properties

PROPERTY\_COLUMNS

```
public static final java.lang.String PROPERTY_COLUMNS = "columns";
```

Key to retrieve the columns from JSON Object properties

PROPERTY\_DESC

```
public static final java.lang.String PROPERTY_DESC = "description";
```

Key to retrieve the description value from JSON Object properties

PROPERTY\_FILTER\_TYPE

```
public static final java.lang.String PROPERTY_FILTER_TYPE = "type";
```

Key to retrieve the type value from JSON Object properties

PROPERTY\_FILTERS

```
public static final java.lang.String PROPERTY_FILTERS = "filters";
```

Key to retrieve the filter value from JSON Object properties

PROPERTY\_FORMAT

```
public static final java.lang.String PROPERTY_FORMAT = "format";
```

Key to retrieve the format value from JSON Object properties

PROPERTY\_HIDDEN

```
public static final java.lang.String PROPERTY_HIDDEN = "hidden";
```

Key to retrieve the hidden value from JSON Object properties

PROPERTY\_HIDE\_PAGE\_SIZE

```
public static final java.lang.String PROPERTY_HIDE_PAGE_SIZE = "hidePageSize";
```

Key to retrieve the Id value from JSON Object properties

PROPERTY\_ID

```
public static final java.lang.String PROPERTY_ID = "id";
```

Key to retrieve the Id value from JSON Object properties

PROPERTY\_LABEL

```
public static final java.lang.String PROPERTY_LABEL = "label";
```

Key to retrieve the label value from JSON Object properties

PROPERTY\_NAME

```
public static final java.lang.String PROPERTY_NAME = "name";
```

Key to retrieve the name value from JSON Object properties

PROPERTY\_OPERATOR

```
public static final java.lang.String PROPERTY_OPERATOR = "operator";
```

Key to retrieve the operator value from JSON Object properties

PROPERTY\_ORDER

```
public static final java.lang.String PROPERTY_ORDER = "order";
```

Key to retrieve the order value from JSON Object properties

PROPERTY\_ORDER\_BY

```
public static final java.lang.String PROPERTY_ORDER_BY = "orderBy";
```

Key to retrieve the order by value from JSON Object properties

PROPERTY\_PAGE\_SIZE

```
public static final java.lang.String PROPERTY_PAGE_SIZE = "pageSize";
```

Key to retrieve the page size value from JSON Object properties

PROPERTY\_PROPERTIES

```
public static final java.lang.String PROPERTY_PROPERTIES = "properties";
```

Key to retrieve the properties values from JSON Object properties

PROPERTY\_RENDER\_HTML

```
public static final java.lang.String PROPERTY_RENDER_HTML = "renderHtml";
```

Key to retrieve the render html value from JSON Object properties

PROPERTY\_ROW\_ACTIONS

```
public static final java.lang.String PROPERTY_ROW_ACTIONS = "rowActions";
```

Key to retrieve the row actions from JSON Object properties

PROPERTY\_SORTABLE

```
public static final java.lang.String PROPERTY_SORTABLE = "sortable";
```

Key to retrieve the sortable value from JSON Object properties

PROPERTY\_STYLE

```
public static final java.lang.String PROPERTY_STYLE = "style";
```

Key to retrieve the style value from JSON Object properties

PROPERTY\_WIDTH

```
public static final java.lang.String PROPERTY_WIDTH = "width";
```

Key to retrieve the width value from JSON Object properties

## Methods

fromJson

```
public static <T extends java.lang.Object> T fromJson(java.lang.String json, java.lang.Class<T> classOfT)
```

Converts from JSON string into an object. Specifically to support data list model classes.

generateDefaultList

```
public static java.lang.String generateDefaultList(java.lang.String listId, org.joget.apps.app.model.DatalistDefinition datalistDef)
```

Used to generate a datalist definition JSON

generateDefaultList

```
public static java.lang.String generateDefaultList(java.lang.String listId, org.joget.apps.app.model.DatalistDefinition datalistDef, org.joget.apps.app.model.DatalistDefinition copyDatalistDef)
```

Used to generate a datalist definition JSON based on another datalist definition

parseActionFromJsonObject

```
public static org.joget.apps.datalist.model.DataListAction parseActionFromJsonObject(org.json.JSONObject obj) throws org.json.JSONException, java.lang.InstantiationException, java.lang.IllegalAccessException
```

Used to retrieves datalist action from JSON Object

parseActionsFromJsonObject

```
public static java.util.Collection<org.joget.apps.datalist.model.DataListAction> parseActionsFromJsonObject(org.json.JSONObject obj) throws org.json.JSONException, java.lang.InstantiationException, java.lang.IllegalAccessException
```

Used to retrieves datalist actions from JSON Object

parseBinderFromJsonObject

```
public static org.joget.apps.datalist.model.DataListBinder parseBinderFromJsonObject(org.json.JSONObject obj) throws org.json.JSONException, java.lang.InstantiationException, java.lang.IllegalAccessException
```

Used to retrieves datalist binder from JSON Object

parseColumnsFromJsonObject

```
public static java.util.Collection<org.joget.apps.datalist.model.DataListColumn> parseColumnsFromJsonObject(org.json.JSONObject obj) throws org.json.JSONException, java.lang.InstantiationException, java.lang.IllegalAccessException
```

Used to retrieves datalist column from JSON Object

parseElementFromJson

```
public static java.lang.Object parseElementFromJson(java.lang.String json)
```

Converts from JSON java.lang.String into an object. Specifically to support data list model classes.

parseElementFromJsonObject

```
public static java.lang.Object parseElementFromJsonObject(org.json.JSONObject obj) throws java.lang.Exception
```

Used to creates Datalist object from JSON Object

parseFiltersFromJsonObject

```
public static java.util.Collection<org.joget.apps.datalist.model.DataListFilter> parseFiltersFromJsonObject  
(org.json.JSONObject obj) throws org.json.JSONException, java.lang.InstantiationException, java.lang.  
IllegalAccessException
```

Used to retrieves datalist filters from JSON Object

```
parseFilterTypeFromJsonObject
```

```
public static org.joget.apps.datalist.model.DataListFilterType parseFilterTypeFromJsonObject(org.json.  
JSONObject obj) throws org.json.JSONException, java.lang.InstantiationException, java.lang.  
IllegalAccessException
```

Used to retrieves datalist filter type from JSON Object

```
parseFormatterFromJsonObject
```

```
public static org.joget.apps.datalist.model.DataListColumnFormat parseFormatterFromJsonObject(org.json.  
JSONObject obj) throws org.json.JSONException, java.lang.InstantiationException, java.lang.  
IllegalAccessException
```

Used to retrieves datalist formatter from JSON Object

```
parseRowActionsFromJsonObject
```

```
public static java.util.Collection<org.joget.apps.datalist.model.DataListAction>  
parseRowActionsFromJsonObject(org.json.JSONObject obj) throws org.json.JSONException, java.lang.  
InstantiationException, java.lang.IllegalAccessException
```

Used to retrieves datalist row actions from JSON Object