

TODO GwClassListService Documentation

Package: `com.geowebframework.dataservice.service`

Description: A service class that provides functionalities for building responses, executing queries, and managing metadata-related operations in the context of GeoWebFramework applications.

Methods

init

Description: Initializes the service and registers it in the GeoWeb Registry.

Parameters: None

Returns: `void`

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buildListRangeResponseHttpEntity

Description: Builds a response entity for a paginated list of data.

Parameters:

1. `rangeString` (String): Defines the range of the requested data.
2. `gwClass` (Class): The GeoWeb class object.
3. `sort` (String): Sorting criteria.
4. `query` (Query): Query object with filter and selection criteria.
5. `locale` (Locale): Locale for localization.

Returns: `HttpEntity<List<HashMap<String, Object>>>`

Throws: Exception

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buildListRangeResponseHttpEntity (Overload)

Description: Builds a response entity for a paginated list of data, including specific attributes.

Parameters:

1. `rangeString` (String): Defines the range of the requested data.
2. `gwClass` (Class): The GeoWeb class object.
3. `attributeList` (ArrayList<Attribute>): List of attributes to include.
4. `sort` (String): Sorting criteria.

5. ``query`` (Query): Query object with filter and selection criteria.
6. ``locale`` (Locale): Locale for localization.

Returns: ``HttpEntity<List<HashMap<String, Object>>``

Throws: Exception

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buildQueryString

Description: Constructs a query string for fetching list data.

Parameters:

1. ``projectName`` (String): Name of the project.
2. ``gwClass`` (Class): The GeoWeb class.
3. ``sort`` (String): Sorting criteria.
4. ``filterQueryMap`` (HashMap<String, Object>): Map of query filters.
5. ``filterMap`` (HashMap<Filter, ArrayList<Object>): Map of additional filters.
6. ``al`` (ArrayList<Attribute>): List of attributes to include in the query.
7. ``locale`` (Locale): Locale for localization.

Returns: ``Query``

Throws: Exception

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buildQueryString (Overload)

Description: Constructs a query string for fetching list data with optional values and clauses.

Parameters:

1. ``projectName`` (String): Name of the project.
2. ``gwClass`` (Class): The GeoWeb class.
3. ``sort`` (String): Sorting criteria.
4. ``filterQueryMap`` (HashMap<String, Object>): Map of query filters.
5. ``filterMap`` (HashMap<Filter, ArrayList<Object>): Map of additional filters.
6. ``al`` (ArrayList<Attribute>): List of attributes to include in the query.
7. ``valuesMap`` (HashMap<String, Object>): Optional values map.
8. ``queryClauses`` (String): Optional query clauses.
9. ``locale`` (Locale): Locale for localization.

Returns: ``Query``

Throws: Exception

selectClassRecordsUsingFilterList

Description: Retrieves class records based on a list of filters.

Parameters:

1. ``gwClass` (Class)`: The GeoWeb class object.
2. ``filterList` (List<Filter>)`: List of filters to apply.

Returns: ``ArrayList<HashMap<String, Object>``

Throws: Exception

selectClassRecordsUsingFilterList (Overload)

Description: Retrieves class records based on filters with additional options like project name and order.

Parameters:

1. ``gwClassName` (String)`: Name of the GeoWeb class.
2. ``filterList` (List<Filter>)`: List of filters to apply.
3. ``projectName` (String)`: Optional project name.
4. ``orderArray` (String[])`: Optional array of ordering criteria.

Returns: ``ArrayList<HashMap<String, Object>``

Throws: Exception

deleteClassRecordWithoutTransaction

Description: Deletes a single class record without using a transaction.

Parameters:

1. ``projectName` (String)`: Name of the project.
2. ``gwClass` (Class)`: The GeoWeb class object.
3. ``itemId` (Object)`: Identifier of the record to delete.
4. ``options` (Map<String, Object>)`: Additional options for the deletion.

Returns: ``boolean``

Throws: Exception

deleteClassRecordsWithoutTransaction

Description: Deletes multiple class records without using a transaction.

Parameters:

1. `projectName` (String): Name of the project.
2. `gwClassName` (String): Name of the GeoWeb class.
3. `itemIdList` (ArrayList<String>): List of record identifiers to delete.
4. `options` (Map<String, Object>): Additional options for the deletion.

Returns: `boolean`

Throws: Exception

countClassRecordsUsingFilterList

Description: Counts the class records based on filters.

Parameters:

1. `gwClassName` (String): Name of the GeoWeb class.
2. `filterList` (List<Filter>): List of filters to apply.
3. `projectName` (String): Optional project name.

Returns: `Integer`

Throws: Exception

createFiltersAndPopulateValuesMap

Description: Creates filters and populates the values map for a query.

Parameters:

1. `query` (Query): Query object.
2. `filterQueryMap` (Map<String, Object>): Map of query filters.
3. `valuesMap` (Map<String, Object>): Values map to populate.
4. `tableIndex` (Integer): Index of the table.

Returns: `void`

Throws: Exception

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... (other methods to follow in this format) ...

Notes

This documentation is generated based on the methods publicly available in the `GwClassListService` class. Each method is documented individually, even if there are similarities between methods.

Integration

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