

expectationOperation

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expectationOperation

Kind: Class

Source: Pams/Web/Pams.WebApp/Client/app/core/models/dashboard-data-fields.ts (line 172)

Part of: Pams

`expectationOperation` holds metadata for an expected dashboard data field, including its stored name, field name, caption, expected field type, and data type. Dashboard code can read this metadata through getters and check `isHidden()` when deciding whether to display the field.

Methods

Method	Signature	Returns
<code>SetStoredName</code>	<code>SetStoredName(name: string)</code>	<code>void</code>
<code>GetFieldName</code>	<code>GetFieldName()</code>	<code>string</code>
<code>SetFieldName</code>	<code>SetFieldName(name: string)</code>	<code>void</code>
<code>GetType</code>	<code>GetType()</code>	<code>expectedFieldType</code>
<code>SetType</code>	<code>SetType(type: expectedFieldType)</code>	<code>void</code>
<code>GetCaption</code>	<code>GetCaption()</code>	<code>string</code>
<code>SetCaption</code>	<code>SetCaption(input: string)</code>	<code>void</code>
<code>SetDataType</code>	<code>SetDataType(ty: DataTypeEnum)</code>	<code>void</code>
<code>GetDataType</code>	<code>GetDataType()</code>	<code>DataTypeEnum</code>
<code>isHidden</code>	<code>isHidden()</code>	<code>boolean</code>
<code>setHidden</code>	<code>setHidden(flag: boolean)</code>	<code>void</code>

Properties

Property	Type
callback	callbackPRAny
CertainYear	number
GetStoredName	any

Where it refuses work

- `expectationOperation` stops the work with an early return when `this.Field.StoredName` .
- `expectationOperation` stops the work with an early return when `this.Field.FieldName` .

Diagram

```
graph LR
    Dashboard[Dashboard data consumer] --> Operation[expectationOperation]
    Operation --> StoredName[Stored name]
    Operation --> FieldName[Field name]
    Operation --> Caption[Caption]
    Operation --> FieldType[expectedFieldType]
    Operation --> DataType[DataTypeEnum]
    Operation --> Visibility[isHidden()]
```

Usage

```
import {
    expectationOperation,
    expectedFieldType,
    DataTypeEnum,
} from "../core/models/dashboard-data-fields";

function configureExpectedField(
    type: expectedFieldType,
    dataType: DataTypeEnum,
): expectationOperation {
    const field = new expectationOperation();

    field.SetFieldName("customerName");
    field.SetCaption("Customer name");
    field.SetType(type);
    field.SetDataType(dataType);
    field.SetStoredName();

    if (!field.isHidden()) {
```

```
    console.log(`${field.GetCaption()}: ${field.GetFieldName()}`);  
  }  
  
  return field;  
}
```

AI Coding Instructions

- Set the field name, caption, expected field type, and data type before passing an `expectationOperation` instance to dashboard consumers.
- Pass values from `expectedFieldType` and `DataTypeEnum` rather than raw strings when calling `SetType()` and `SetDataType()`.
- Read metadata through `GetFieldName()`, `GetCaption()`, `GetType()`, and `GetDataType()` instead of duplicating field configuration elsewhere.
- Check `isHidden()` in rendering or filtering code instead of assuming every configured field should be displayed.