

# msaSDK Module

## `.admin.utils.choices`

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## Attributes

`__all__` module-attribute

```
__all__ = [  
    "MSAChoices",  
    "MSAIntegerChoices",  
    "MSATextChoices",  
]
```

## Classes

### MSAChoices

Bases: `enum.Enum`

Class for creating enumerated choices.

#### Functions

`__str__`

```
__str__()
```

Use value when cast to str, so that MSAChoices set as model instance attributes are rendered as expected in templates and similar contexts.

### MSAChoicesMeta

Bases: `enum.EnumMeta`

A metaclass for creating enum choices.

## Functions

### `__contains__`

```
__contains__(member)
```

### `__new__`

```
__new__(metacls, classname, bases, classdict, **kws)
```

### `choices` property

```
choices()
```

### `labels` property

```
labels()
```

### `names` property

```
names()
```

### `values` property

```
values()
```

## MSAIntegerChoices

Bases: `int`, `MSAChoices`

Class for creating enumerated integer choices.

## MSATextChoices

Bases: `str`, `MSAChoices`

Class for creating enumerated string choices.

## Promise

Base class for the proxy class created in the closure of the lazy function. It's used to recognize promises in code.

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