# msaSDK Module

#### .db.crud.utils

#### Classes

#### **Functions**

#### paginator\_factory

```
paginator_factory(
    perPage_max: Optional[int] = None,
) -> Type[MSACRUDPaginator]
```

#### parser\_item\_id

```
parser_item_id(
   item_id: str = Path(
       Ellipsis,
       min_length=1,
       title="pk",
       example="1,2,3",
       description="Primary key or list of primary keys",
   )
) -> List[str]
```

#### parser\_str\_set\_list

```
parser_str_set_list(set_str: Union[int, str]) -> List[str]
```

### schema\_create\_by\_modelfield

```
schema_create_by_modelfield(
    schema_name: str,
    modelfields: Iterable[ModelField],
    *,
    set_none: bool = False,
    namespaces: Dict[str, Any] = None,
```

```
extra: Extra = Extra.ignore,
   **kwargs
) -> Type[BaseModel]
```

# schema\_create\_by\_schema

```
schema_create_by_schema(
    schema_cls: Type[BaseModel],
    schema_name: str,
    *,
    include: Set[str] = None,
    exclude: Set[str] = None,
    set_none: bool = False,
    **kwargs
) -> Type[BaseModel]
```

## validator\_skip\_blank

```
validator_skip_blank(
    cls,
    v,
    config: BaseConfig,
    field: ModelField,
    *args,
    **kwargs
)
```

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