

# POSEIDON SQL DDL GENERATION PLUGIN GUIDE

## Modelling Element Rules

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### *Classes*

- Uses the standard UML 'Class'.
- Each class is considered as a table.

### *Attributes*

- Describes the columns in table.
- Each attribute can have stereotype which will be treated as column constraint.

### *AssociationEnds*

- Describe the relationship between tables.
- Foreign key(s) will be automatically generated in table which has reference(s) to other table(s).

### *Tagged Values*

The following tagged value keys are supported when the value is set with digit number within appropriate context, and the values will specifically describe the column data type:

*Considered in the following order:*

- length
- precision
- scale

### *Additional Stereotypes*

- Stereotypes apply in attributes.
- Stereotype for allowing NULL value is not included since it is the default behaviour of column.
  - PRIMARY KEY
  - NOT NULL
  - UNIQUE