

## INSERT

Type:  dropdown menu

Field Name:  Value:  +  to add more fields

(optional error message here for invalid input)

"Add new insert relation name"

↑  
format for all buttons

## DELETE

Type:

if...    operation (=, ≤, ≥, >, <, ≠) +

(optional error message here for invalid input)

## UPDATE

Type:  Relation Name

Field Values (in order):  eg. John Smith +

IF:    Value

(optional error message here for invalid input)

## SELECT

Type:  has option "\*" at top

Attributes:  +

Condition:

(optional error message here for invalid input)

## JOIN

Type 1:  Type 2:  Logical Operator (AND/OR)

Condition:    can add more,  shows up here

operation can choose from dropdown or type in some constant

(optional error message here for invalid input)

## PROJECTION

Type:

Attributes:

optional

optional

## GROUPING

Type: ☐   
Attributes: ☐  +  
Group ☐  by ☐   
Operation: ☐  ☐    
↑ min, max, avg, or count

View Groups

## HAVING

Type: ☐   
Attributes: ☐  +  
Conditions: ☐  ☐  ☐  +  
THEN  
Group ☐  by ☐   
Operation: ☐  ☐    
Condition: ☐  ☐  ☐  +

(optional error message here for invalid input)

View Results

## GROUP BY (nested aggregation)

Type: ☐   
Attributes: ☐  +  
Group ☐  by ☐   
Operation: ☐  ☐    
↑ min, max, avg, or count  
Condition: ☐  ☐  ☐

Show Groups

## DIVISION

Get ☐  from ☐  Relation  
if it matches all ☐  from ☐  Relation

View