

INSERT

Type: *dropdown menu*

Field Name: Value: *type in string/int*

to add more fields

"Add new" "Insert relation name"

button leads you to results

format for all buttons

(optional error message here for invalid input)

DELETE

Type:

if... *operation (=, <=, >=, >, <, ≠)*

Remove

(optional error message here for invalid input)

UPDATE

Type: *Relation Name*

Field Values (in order): *to add more fields*

IF: *operation* *Value*

Save Changes

(optional error message here for invalid input)

SELECT

Type: *has option "*" at top*

Attributes: *+*

Condition: *operation* *Value*

View Results

(optional error message here for invalid input)

JOIN

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

Condition: *operation* *Value*

can add more, show up here

can choose from dropdown or type in some constant

View Results

(optional error message here for invalid input)

PROJECTION

Type:

Attributes:

View

GROUP BY

Type:

Attributes:

Group: by

Operation: *min, max, avg, or count*

View Groups

HAVING

Type:

Attributes:

Conditions: *operation* *Value*

THEN

Group: by

Operation: *min, max, avg, or count*

Condition: *operation* *Value*

View Results

(optional error message here for invalid input)

GROUP BY (nested aggregation)

Type:

Attributes:

Group: by

Operation: *min, max, avg, or count*

THEN

Condition: *operation* *Value*

Show Groups

DIVISION

Get from

if it matches all from

View

RESULTS of: <insert given constraints here>

attribute1	attribute2	attribute3	...
...
...
...
...
...
...
...
...
...
...

Navigation Bar on right side of each page/screen:

Lamara Fitness

- Insert
- Delete
- Update
- Select
- Join
- Projection
- Grouping
- Having
- Group By (nested)
- Division

can click to change pages