

INSERT

Type: *dropdown menu*

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

to add more fields

button leads you to results

format for all buttons

"Add new" "insert relation name"

(optional error message here for invalid input)

DELETE

Type: *operation (=, <=, >=, >, <, ≠)*

if... *+*

(optional error message here for invalid input)

UPDATE

Type: *Relation Name*

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

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, show up here*

operation *can choose from dropdown or type in some constant*

(optional error message here for invalid input)

PROJECTION

Type:

Attributes:

GROUP BY

Type:

Attributes: *+*

Group: *by*

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

HAVING

Type:

Attributes: *+*

Conditions: *+*

THEN

Group: *by*

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

Condition: *+*

(optional error message here for invalid input)

GROUP BY (nested aggregation)

Type:

Attributes: *+*

Group: *by*

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

THEN

Condition: *+*

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

VIEW ↳ min, max, avg, or count

Condition: ☐ ☐ ☐

Show Groups

DIVISION

Get ☐ attribute from ☐ Relation

if it matches all ☐ attribute from ☐ Relation

View