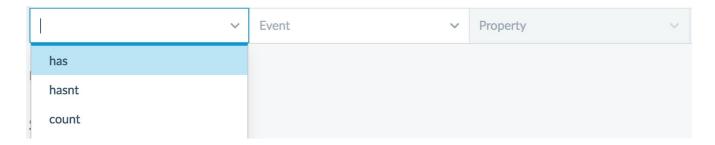# FORMULA BUILDER

We'd like to build a *series of searchable dropdowns*:

GOAL 1: Build a single SearchableDropdown component (FUNCTIONS)

- The first searchable dropdown includes 5 options: COUNT, SUM, MAX, MIN, AVG.
- The options should filter based on user input (matching on .startsWith is fine).
- For example, if the user types "M", the options should show MAX and MIN
- The user should be able to select one of the options.

GOAL 2: Add a second SearchableDropdown component (EVENTS)

- The second dropdown will contain Events.
- The event options are: `Logged In`, `Viewed Page`, `Purchased`

GOAL 3: Add a third SearchableDropdown (PROPERTIES)

- The third dropdown will contain Properties.

- Each Event has different properties associated with it:

EVENT TYPE	PROPERTIES
Logged In	email, created_at

Logged In	email, created_at
Viewed Page	path, pagename, created_at
Purchased	revenue, quantity, created_at

- The options in the property dropdown *should depend on the selected Event*.

- For example, if the user selects Purchased, the property options should be revenue, quantity, and created_at.

GOAL 4: Show/hide properties based on FUNCTION selection.

- Some functions take different arguments. Namely, if the user selects count(), they should not be able to select a property:

FUNCTIONS

count({event})
max({event}, {property})
min({event}, {property})
sum({event}, {property})
avg({event}, {property})

- Add logic to prevent showing the Property dropdown if count is selected

GOAL 5: Render the formula.

- Somewhere on the page, display a completed formula in the format shown in GOAL 4.
- Some examples:
  - count(Logged In)
  - max(Purchased, revenue)

- min(Logged In, created_at)

GOAL 6: Make it pretty.

- Style the dropdowns / the formula display. Make it look nice.