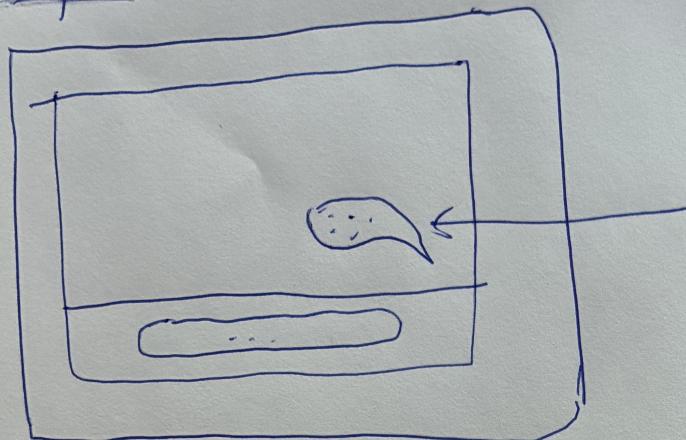


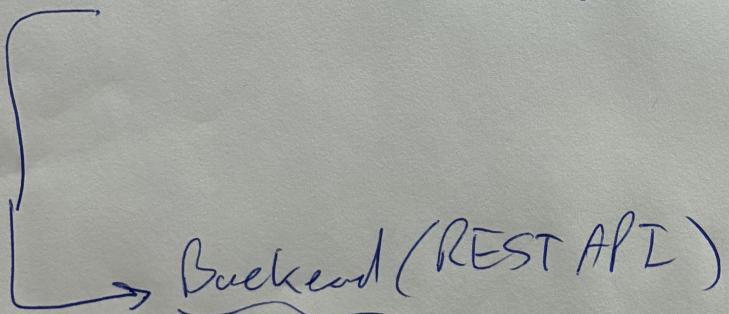
Frontend

→ Angular



Color of these text bubbles must be easy to manipulate.

Need an API.service.ts file to handle requests to backend for determining text bubble color



Backend (REST API)

Fast API

- endpoint for getting color \implies How do I want to handle this logic??
- Query PG

→ PGVector for Vector storage

1 - - - -
 Red
 (lowest
 frequency)

Violet/Blue
 (highest
 frequency)

Could also incorporate
 achieved similarity score to
 make system more
 robust.
 Label
 Sim-Score

Query with high K (30-40)

=Corresponds
 to color
 spectrum

label
 "score"
 increases

Positive /
 Negative
 Positive "levels"
 Negative "levels"

- Enthusiasm
 - Worry -1

Label
 "score"
 decreases

2 - Happy
 3 - Joy
 4 - :

- Distress -2 decreases

5 - "Mild - 3" ↓

40
 |
 Sum all returned labels
 (K=30)
 and get score

40
 |
 Score lands somewhere on scale