

Chicken Tinder

Nathaniel Eisenberg

Abdullah Yousuf

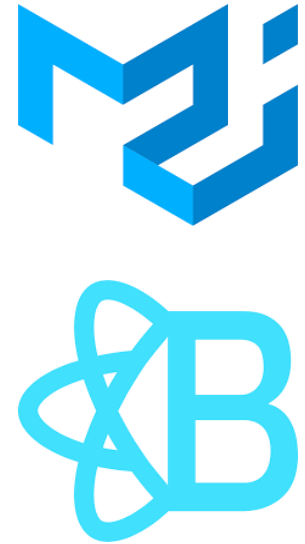
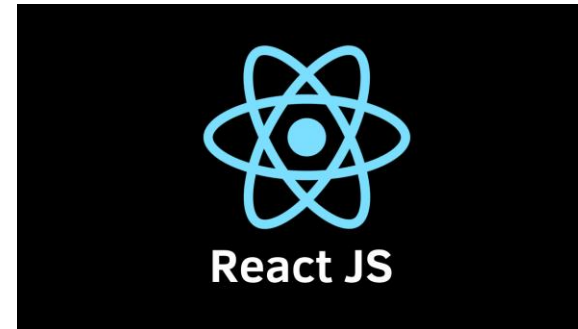
Daniel Okereke

Shanelle Cao

Eric Saenz

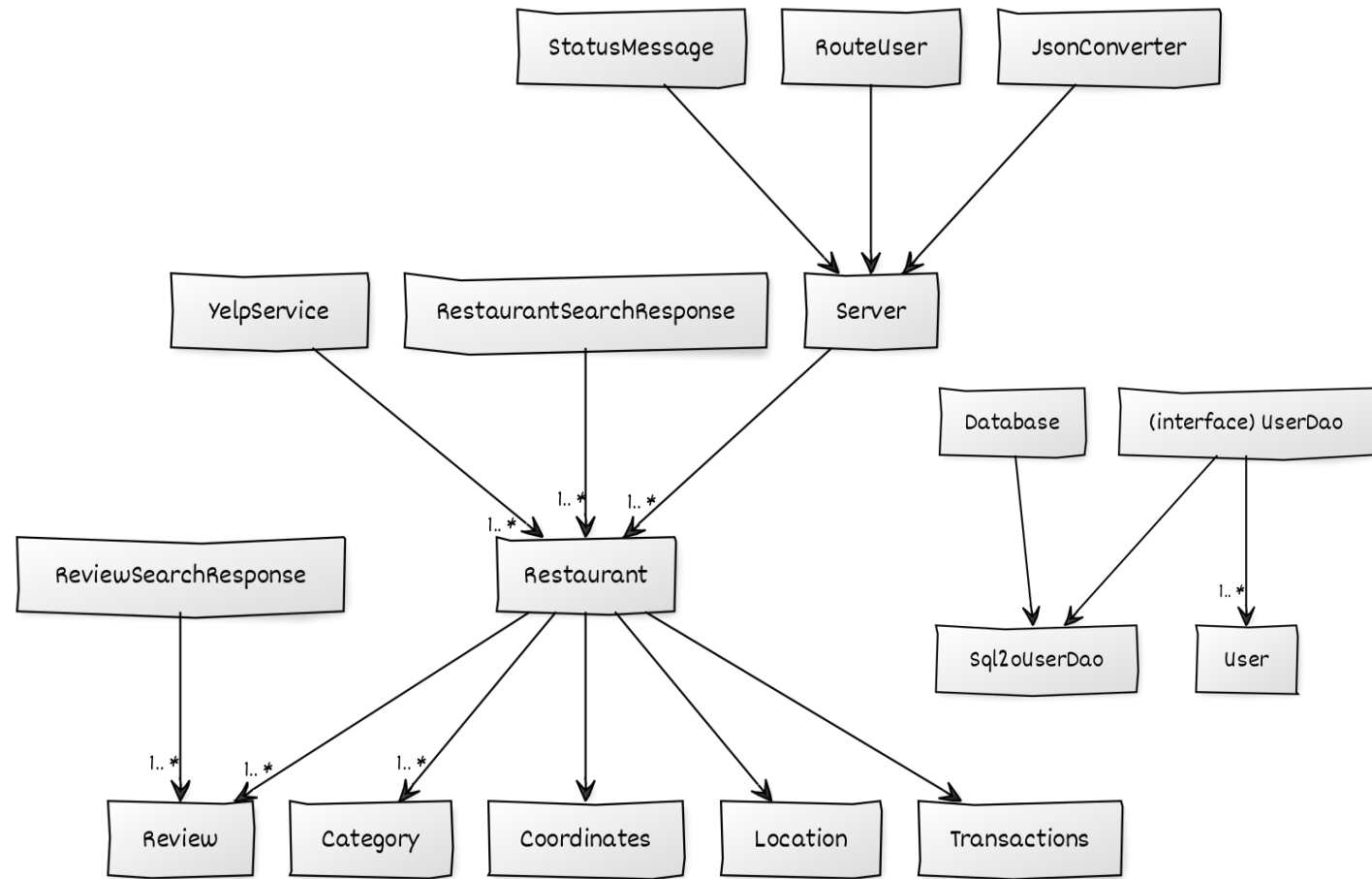
Frontend Structure and UI Design

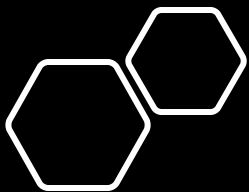
- Mainly built using React
- React Bootstrap and Material UI
- withRouter and onClick



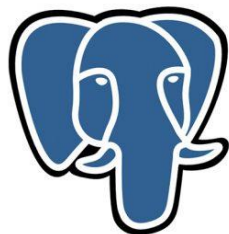
Backend Overview

- Yelp Response
- API
- Socket.io
- User database





Database



PostgreSQL

user_id	username	pwd	loc	preferences	isloggedin
1	elewin0	jykBFpu0iS7q		{none}	no
2	gdamrel1	1k852EiMi		{none}	no
3	kbastock2	P1hYn4U4yMg		{none}	no
4	egorusso3	b0iAGh	64 Susan Place	{none}	no
5	dfulker4	uPRmvh1HMnJ	2 Farmco Pass	{none}	no
6	mderbysshire5	4B36ySy1b2p		{none}	no
7	agobourn6	RlakQF	14760 Stephen Circle	{none}	no
8	nrickard7	2XxHy8Y07EW	84 Meadow Ridge Plaza	{none}	no
9	rcornborough8	AE839b	48 Di Loreto Circle	{none}	no
10	kjozaitis9	TiE9SD8WA	77114 Linden Plaza	{none}	no
11	tbubeera	xc4Jdg		{none}	no
12	msoallb	8ZNYnsZtL		{none}	no
13	tboolsc	WzdZuEht		{none}	no
14	beastbrookd	dmoVuxhbI	584 Banding Court	{none}	no
15	tredselle	vZWf6zM		{none}	no
16	kfeatherstonef	d9jBMbk		{none}	no
17	ppoolleyg	x8BydCrAGY1		{none}	no
18	amccrostieh	b8V958	844 Hazelcrest Drive	{none}	no
19	kfyl desi	fo4cfE		{none}	no
20	ppallaskej	wg6NVLHRM		{none}	no
21	tmivalk	VUmQzbFIAp	893 Pepper Wood Junction	{none}	no
22	locTest	locTest	3400 N. Charles St Baltimore MD 21218	{none}	no

Hosting and Joining Groups

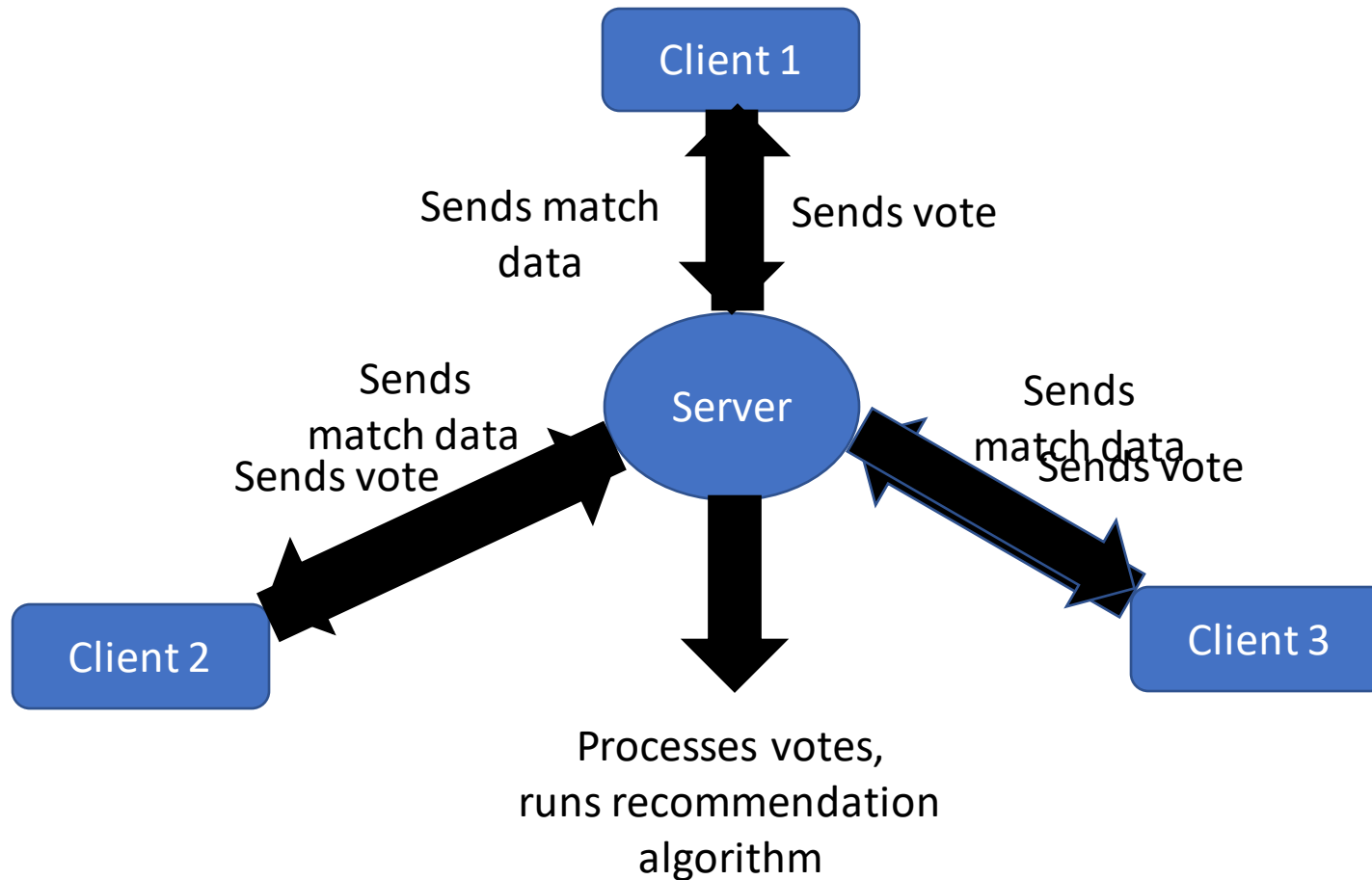
How it works

- Uses server for hosting/groups
- Built upon socket.io
- Send data quickly and efficiently



socket.io

How voting works with socket.io

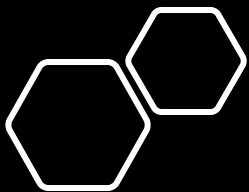


Retrieving Restaurant Data

- BusinessSearch vs BusinessDetails
- Served on separate backend app
- Max 5000 calls per day
- Not all countries supported

⇒ axios



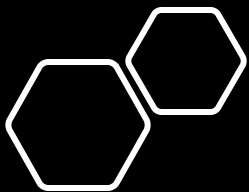


Recommendation System

```
Map {  
  Kebab: 3,  
  German: 3,  
  Barbeque: -10,  
  Hawaiian: -5,  
  Poke: -5,  
  'Cajun/Creole': 1,  
  'Soul Food': 1,  
  Southern: 1,  
  'American (Traditional)': -4,  
  'Chicken Wings': -3,  
  'Breakfast & Brunch': -8,  
  'Food Court': -1,  
  Korean: -4,  
  'Asian Fusion': 5,  
  Sandwiches: 2,  
  Noodles: -10,  
  Szechuan: -5,  
  Salad: -5,  
  Vegetarian: -6,  
  Desserts: 0,  
  Waffles: -3,  
  Senegalese: -3,  
  Halal: -3,  
  Pizza: -1,  
  Vegan: -1,  
  Mexican: 1,  
  'Chicken Shop': 1,  
  Bars: -1,  
  Tacos: -1,  
  Burgers: 1,  
  Pouteries: 1  
}
```

```
Category Rank:  
[  
  'Asian Fusion',      'Kebab',  
  'German',            'Sandwiches',  
  'Cajun/Creole',     'Soul Food',  
  'Southern',          'Mexican',  
  'Chicken Shop',     'Burgers',  
  'Pouteries',         'Desserts',  
  'Food Court',       'Pizza',  
  'Vegan',             'Bars',  
  'Tacos',             'Chicken Wings',  
  'Waffles',           'Senegalese',  
  'Halal',             'American (Traditional)',  
  'Korean',            'Hawaiian',  
  'Poke',              'Szechuan',  
  'Salad',             'Vegetarian',  
  'Breakfast & Brunch', 'Barbeque',  
  'Noodles'  
]  
Rating Rank:  
[ '4', '5', '3' ]  
Price Rank:  
[ '$$', '$' ]
```

```
Profile below:  
[ 'Asian Fusion', 'Kebab', 'German' ]  
[ '$$$' ]  
[ '4' ]
```

Recommendation System cont.

```
Final Rank:
Döner Brös : 28 points
Ekiben : 18 points
Ekiben : 13 points
The Hub Asian Food Hall : 13 points
Creole Soul Restaurant : 8 points
Mount Vernon Marketplace : 8 points
The Local Fry : 8 points
Nailah's Kitchen : 8 points
&pizza - Charles Village : 8 points
Cocina Luchadoras : 8 points
BRD : 8 points
R. House : 8 points
Clark Burger : 8 points
honeygrow : 5 points
Texas Chicken & Grill : 3 points
Whitehall Mill : 3 points
Halo Hawaiian BBQ & Poke Bar : 0 points
Chosun Hwaro : 0 points
Kung Fu 12 Szechuan : 0 points
Waffie : 0 points
```

```
{
  id: 'Hcw9Tn5b7L7eBxWm4xrVlA',
  alias: 'döner-brös-baltimore',
  name: 'Döner Brös',
  image_url: 'https://s3-media2.fl.yelpcdn.com/bphoto...',
  is_closed: false,
  url: 'https://www.yelp.com/biz/d%C3%B6ner-brös-baltimore',
  &utm_source=wCqsN-GxWsGr58NPExCF9Q',
  review_count: 89,
  categories: [ 'Kebab', 'German' ],
  rating: 4,
  coordinates: { latitude: 39.327275, longitude: -76.61875 },
  photos: [
    'https://s3-media2.fl.yelpcdn.com/bphoto...',
    'https://s3-media2.fl.yelpcdn.com/bphoto...'
  ],
  transactions: [ 'delivery', 'pickup' ],
  price: '$$',
}
```

```
Profile below:
[ 'Asian Fusion', 'Kebab', 'German' ]
[ '$$' ]
[ '4' ]
```


Closing Remarks