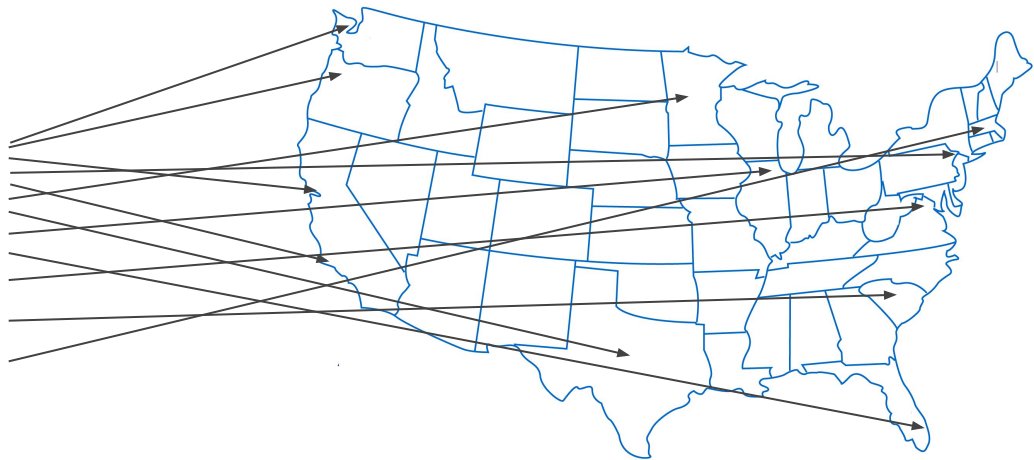


cityfinder

Anna Hazard, Alden Golab, Dani Litovsky Alcala



I have all the necessary koalafications



**Can we simplify the process of choosing a
city to live in?**

The logo consists of a bright pink speech bubble shape with a small tail pointing downwards. Inside the bubble, the word "cityfinder" is written in a white, lowercase, sans-serif font.

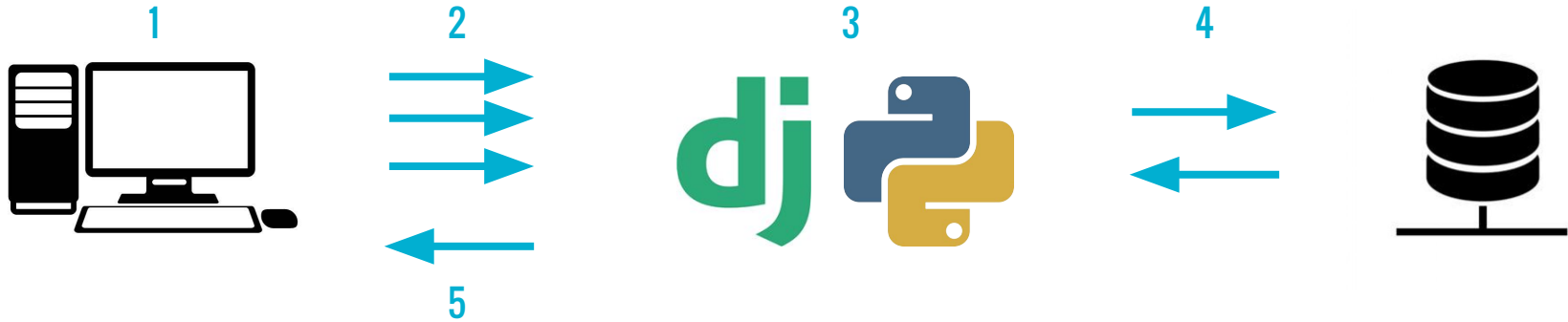
cityfinder

Demo

Work we did

- **Getting data**
- **Creating the database and django models**
- **Front-end design**
- **Recommendation algorithm**
- **Integration**

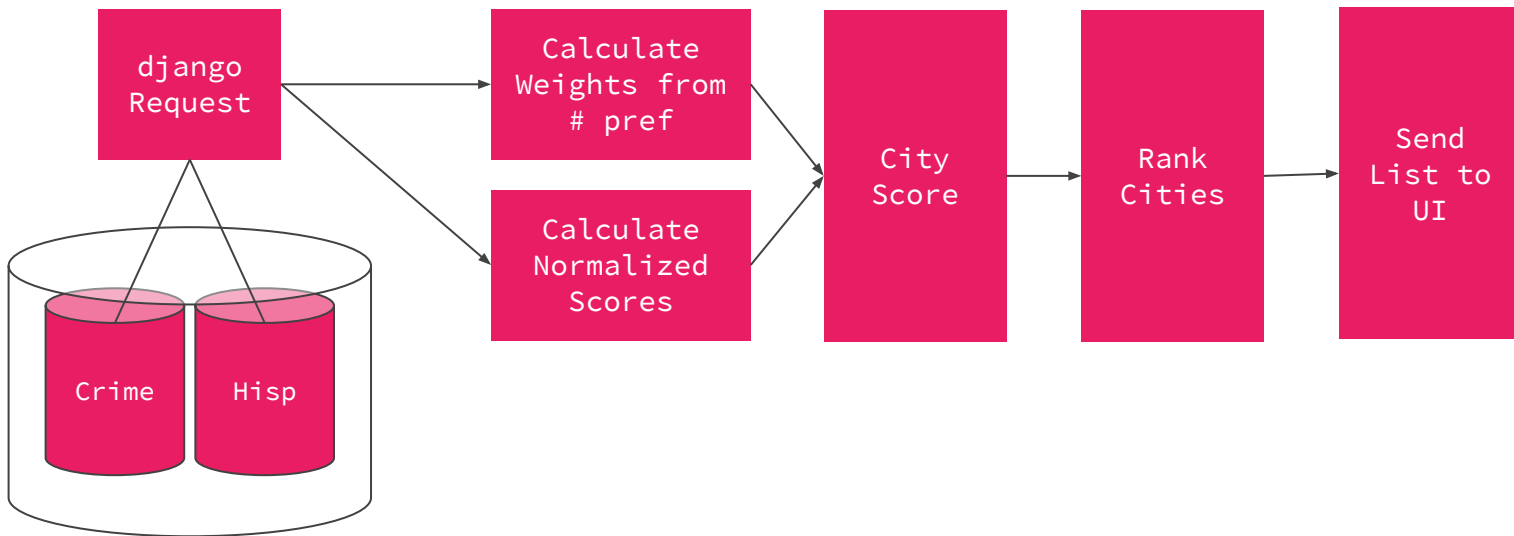
Program Overview



1. User accesses website
2. User inputs sent to django
3. User inputs aggregated and put into dictionary
4. Algorithm queries database with input dictionary
5. Cities returned from algorithm sent to front end and displayed

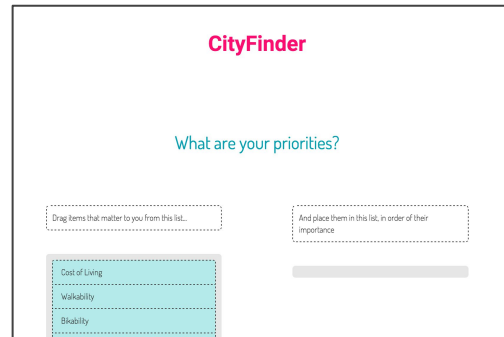
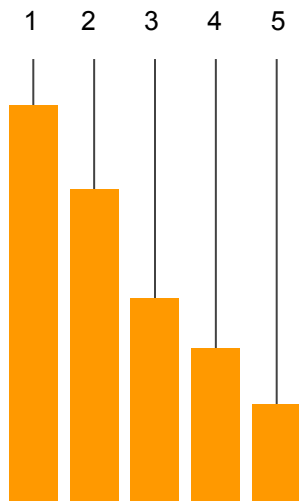
Algorithm Structure

— — —



Project Challenges

— — —



CityFinder

What are your priorities?

Drag items that matter to you from this list.

And place them in this list, in order of their importance.

Cost of Living
Walkability
Bikeability

Things we learned

— — —

- **Strategize about the database first**
 - This will make everything else easier
- **Working as a team to create an application**
 - Segmenting work into parts for continuity
 - Communication while working on interaction between parts
- **Testing and debugging**

Some 'cool' things about cityfinder

- **JavaScript / D3.js / Leaflet**
- **Recommendation Algorithm**
 - Filter & Normalize Scores with Weights

Future of cityfinder

— — —

- **Partner Preferences**

- Allow two users to input preferences

- **Saving user Selections**

- **New Visualizations**

- Maps, deeper dives into score composition

- **Tweaked Algorithm**

- Additional preferences
- Closeness to zip code

cityfinder

Thanks!