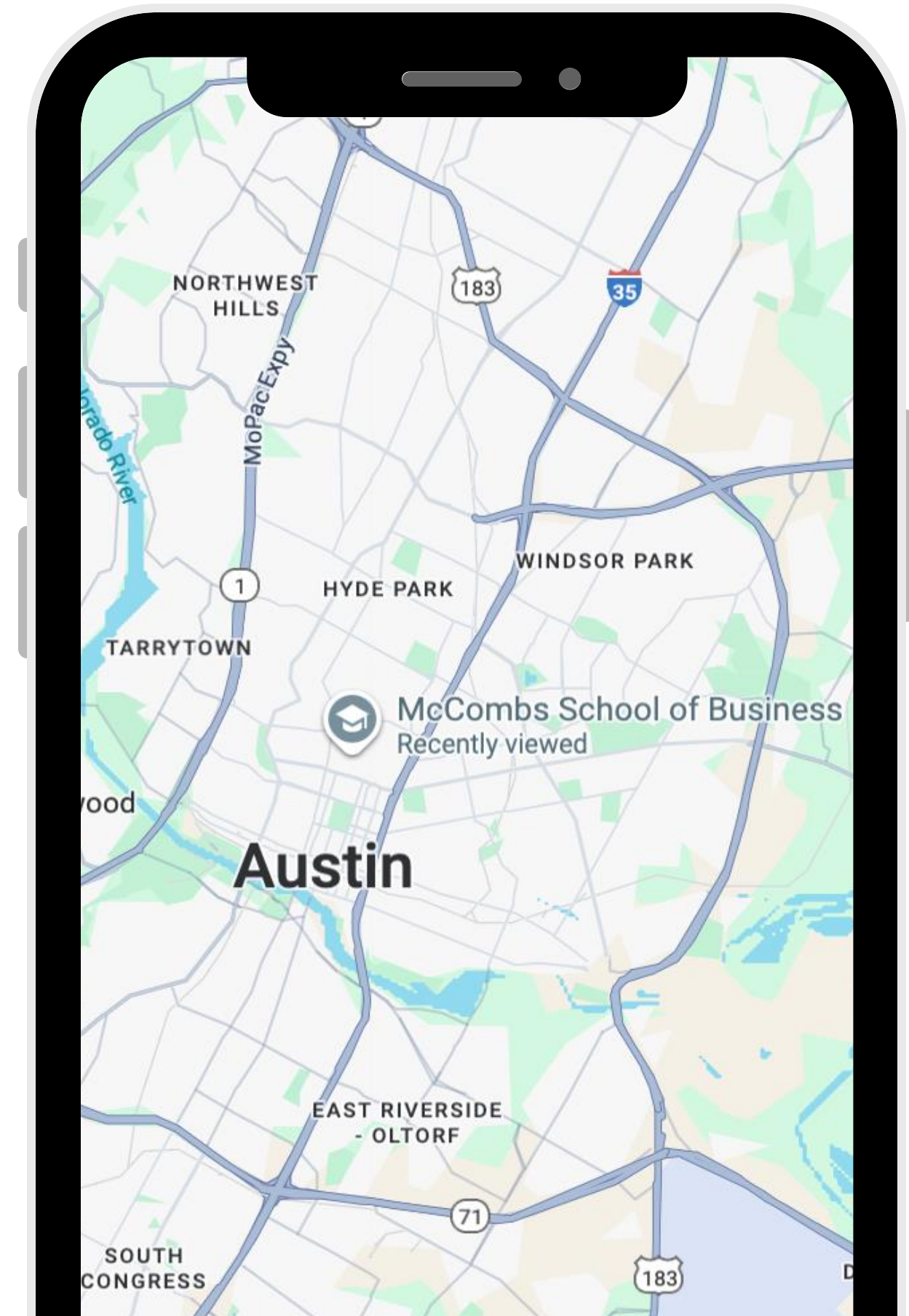


Dwelling.

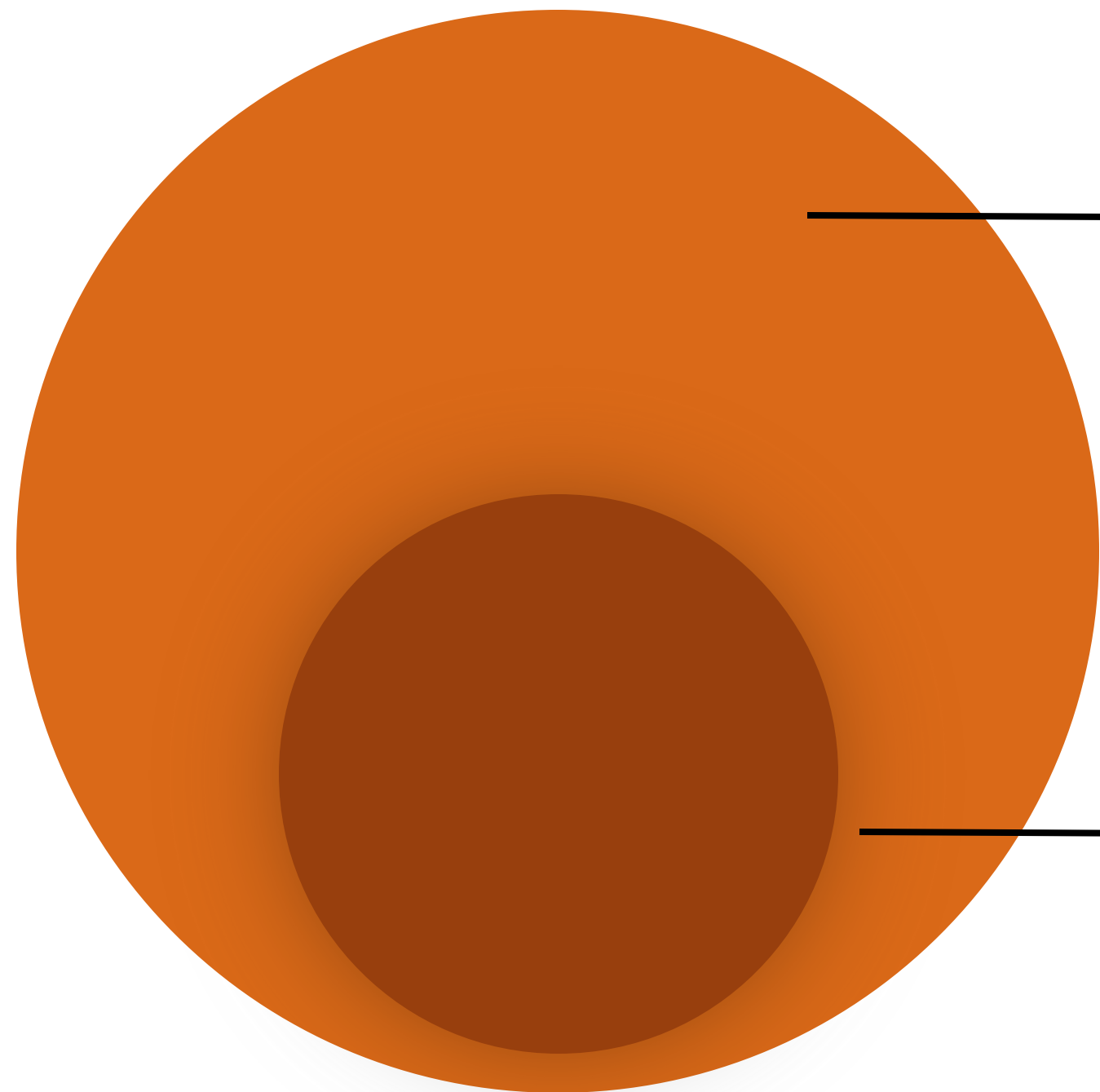
Your new apartment finding best friend.

[Explore Now](#)

Joseph Bailey, Jack Feen, Peyton Gibbs,
Humphrey Hui, Archie Korale, Sam LeFebre



The Problem.



WHAT RENTERS CARE ABOUT

- *NEIGHBORHOOD SAFETY*
- *PLACES TO EAT*
- *SCHOOLS NEARBY*
- *ACTIVITIES TO DO*
- *ETC.*

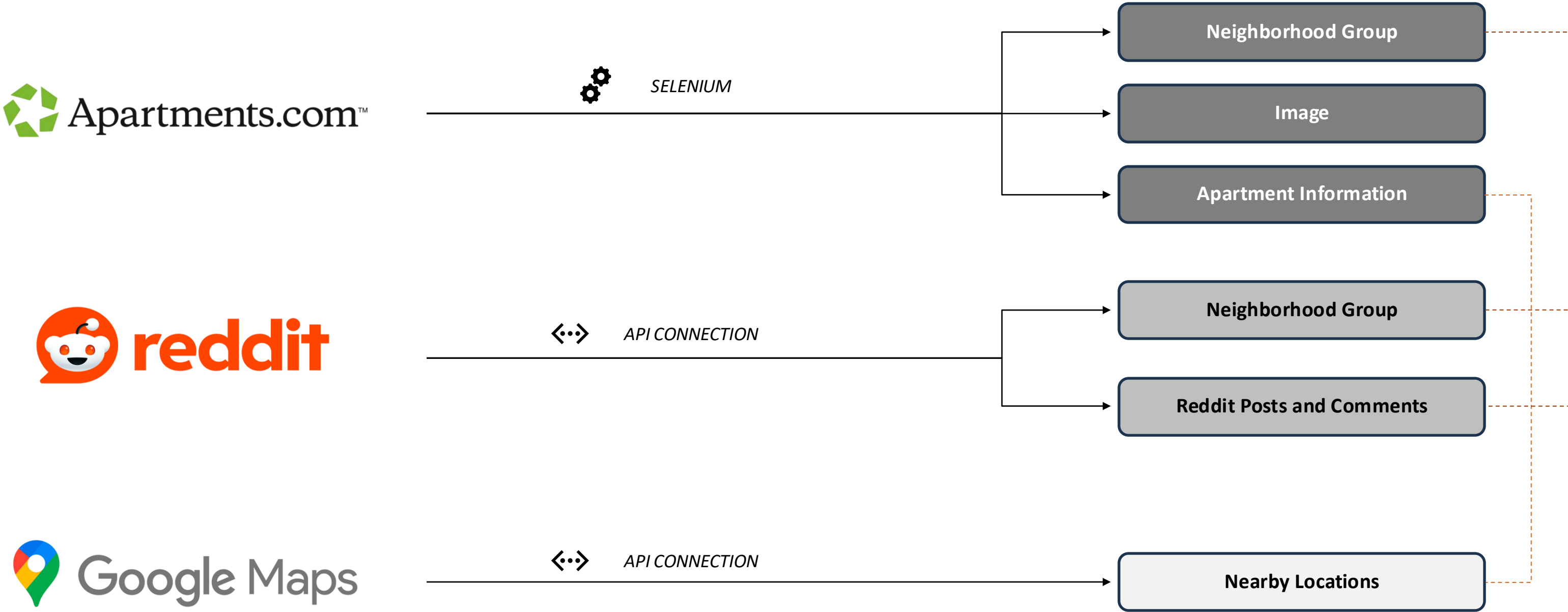
WHAT RENTAL WEBSITES PROVIDE

- *APARTMENT FEATURES*
- *PRICE*
- *LOCATION*

...Dwelling bridges this gap by pulling data from **hundreds of nearby locations to give better apartment recommendations.**

Dwelling.

DATA SOURCES



DATA SPECIFICS



Apartment Information

Name of Residence

Number of Beds and
Baths

Address and Zip Code

Rent

Image



Processed apartment images
using Google Cloud Vision API



Generated binary amenity
features (pool, modern kitchen)
from visual labels



Calculated luxury scores based
on premium materials and
design quality

Neighborhood Group

Reddit Posts and Comments

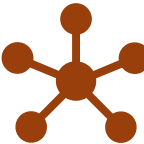
Neighborhood Group



Created 14 neighborhood
groups and divided each
apartment complex based on
zip code



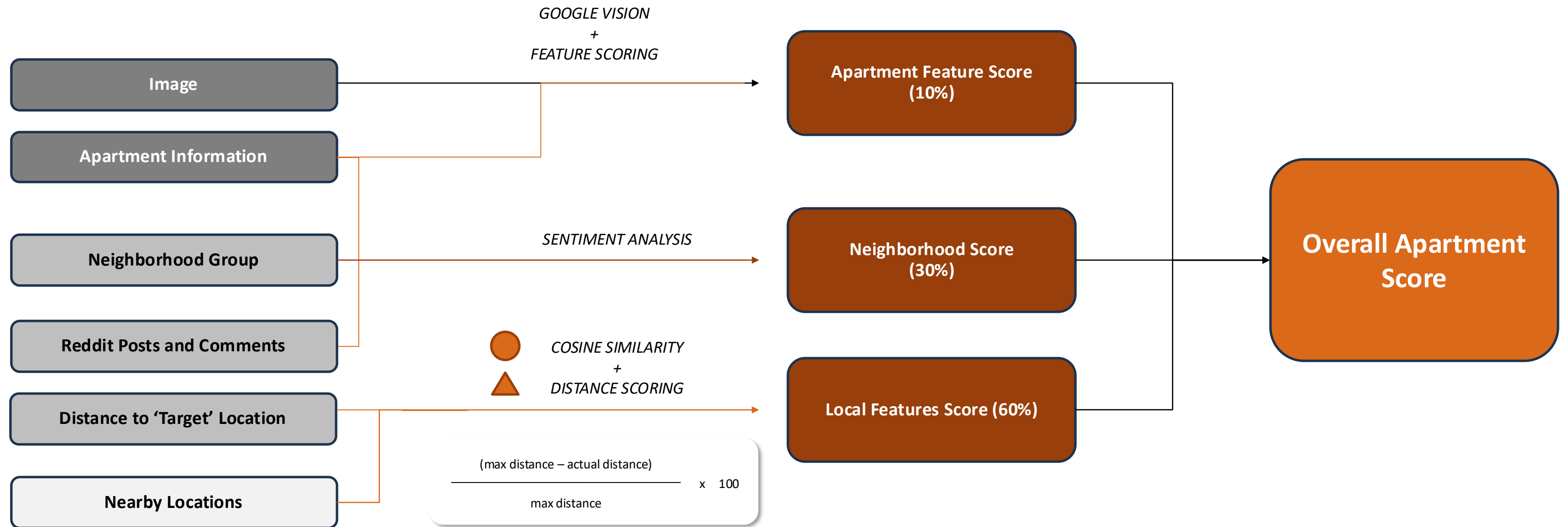
Used VADER to create a
sentiment score for each Reddit
post [-1, 1]





Assigned Reddit posts to a
neighborhood using roBERTa
and keyword matching



DATA



-  User's desired features (text) factored in
-  User's desired location factored in

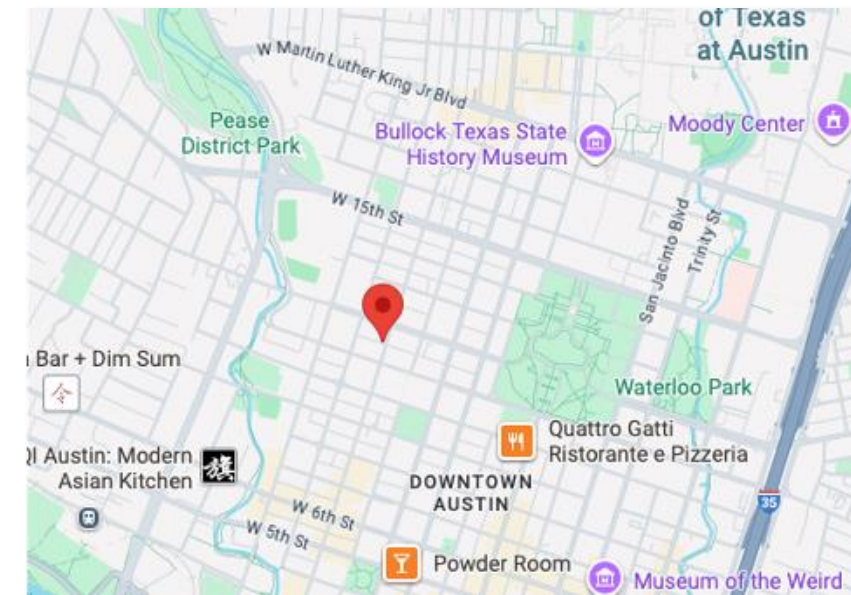
TEST 1

- For our first test, we placed ourselves in the shoes of a young adult
- We imagined them wanting to be near a college, thrift shop, and nightclub in Downtown Austin



1108 Nueces Street

The Capitol Living



HIGHLIGHTS

- 6 minutes to UT
- 2 minutes to Downtown/6th Street

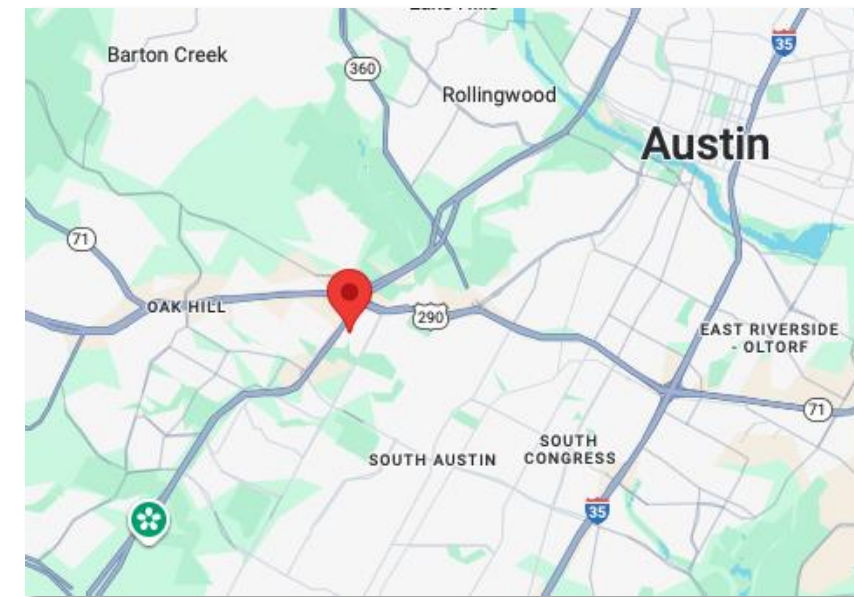
TEST 2

- For our second test, we placed ourselves in the shoes of a young family
- We imagined them wanting to be near an **elementary school**, **pediatrician**, and **grocery store** also in **Downtown Austin**



5701 South Mopac Expressway

River Stone Ranch



HIGHLIGHTS

- Placed in between two elementary schools
- 5-10 minutes to both a medical center and a Target

Questions?