

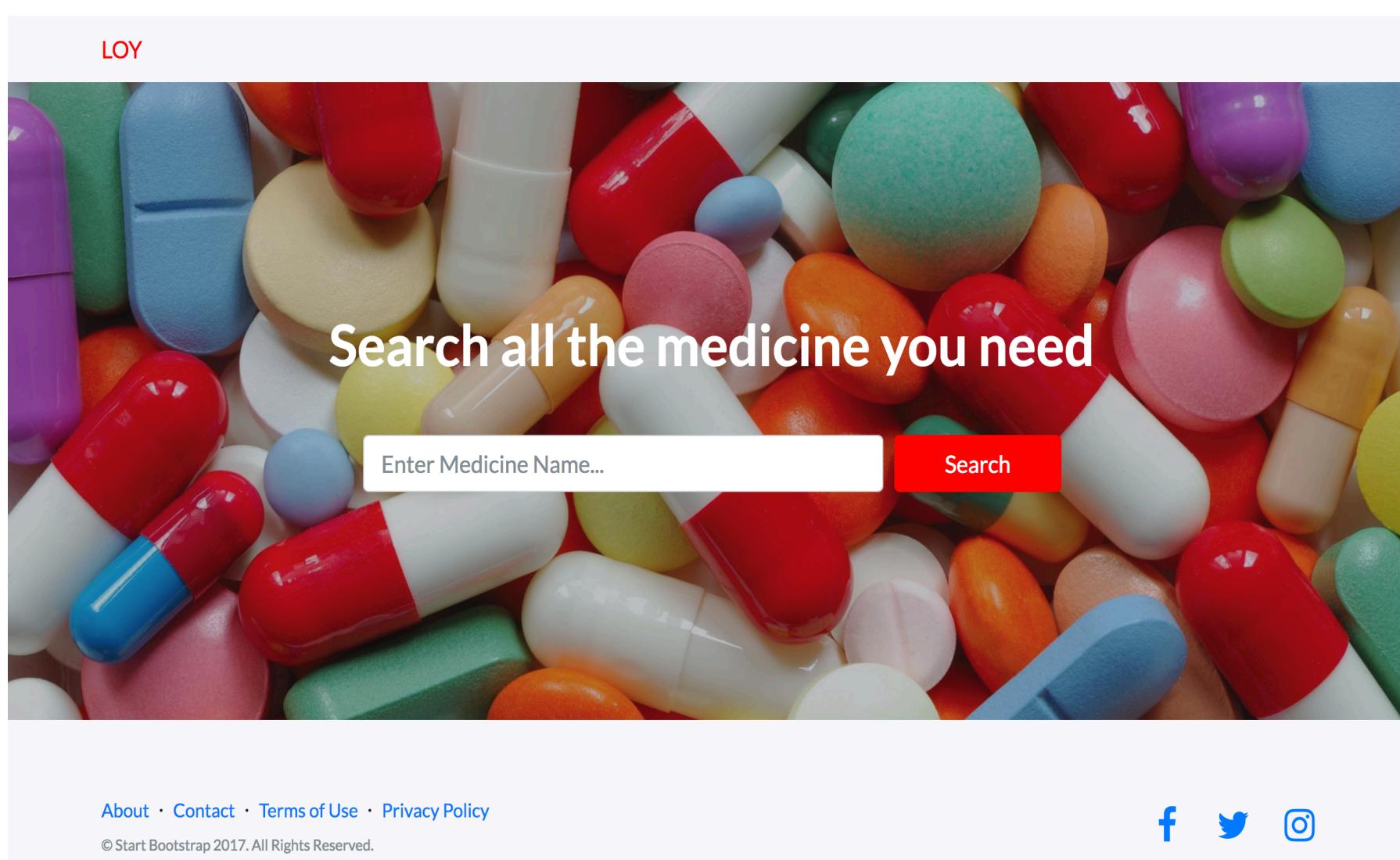
Problem solved: Help foreign(Chinese) students and travelers find medicines that equivalent to their familiar medicines.

Solution:

- 1: User type in their familiar medicine with their native language
2. Application take input, using Chinese API get the ingredient of that medicine.
3. Using ingredient to find the relative equivalent U.S. medicines.
4. User can further read the description of that medicine (prescription or not).
5. Give Amazon purchase link, user can get this medicine online.

Tools:

- Python Django framework
- Python pyquery library
- BeautifulSoup library
- JavaScript front end.
- Web crawler technique
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- Modified web crawler.
- Edit the original description.
- Using Amazon API
- Using bottleneck library to request the API.



Search results

Enter Medicine Name...

Pseudoephedrine Hydrochloride

ALLEGRA D-12 HOUR(fexofenadine hydrochloride and pseudoephedrine hydrochloride) tablet, extended release

Buy it on Amazon

ALLEGRA-D 24 HOUR(fexofenadine hydrochloride and pseudoephedrine hydrochloride) tablet, film coated

Buy it on Amazon

BROMPHENIRAMINE MALEATE, PSEUDOEPHEDRINE HYDROCHLORIDE AND DEXTROMETHORPHAN HYDROBROMIDE syrup

Buy it on Amazon

LOY

DESCRIPTION
CLINICAL PHARMACOLOGY
INDICATIONS AND USAGE
CONTRAINdicATIONS
WARNINGS
PRECAUTIONS
ADVERSE REACTIONS
OVERDOSAGE
DOSAGE AND ADMINISTRATION
HOW SUPPLIED
SPL UNCLASSIFIED SECTION

Future work:

1. Implement a database and for each time a user search, we store the relationship.
2. Find more APIs or datasets, expand the language to others except Chinese.
3. Add a delivery service for those who are too sick to get up and buy medicine.
4. Implement a chat box for immediate customer service.
5. Implement medicine scanner to allow users to find their desired medicine efficiently.