

1) working split

Jin An: Scrapy spider, Front end pages, infrastructure designer

Zhiwei Teng: Recommendation algorithm

Xin Zhang: Backend Implementation

2) functions your system supports

support drug recommendation for patient and doctors

input: the current drug patient using, the illness patient developed

and some restrains of drugs customized by patient

output: recommend drug name, drug details and the link to corresponding website

Drug Recommendation System

Please fill in the following blank. And we will recommend alternative drugs for you.

Alcohol

☒ Yes ☐ No

Pregnancy

☒ Yes ☐ No

Rx or OTC

☒ Rx ☐ OTC

Do you accept the recommendation of drugs under Controlled Substances Act?

☒ yes ☐ no

submit

reset

☐ Clean history

Result

Drug Name

celestone-soluspan

Drug details

Treating certain conditions associated with decreased adrenal gland function. It is used to treat severe inflammation caused by certain conditions, including severe asthma, severe allergies, rheumatoid arthritis, ulcerative colitis, certain blood disorders, lupus, multiple sclerosis, and certain eye and skin conditions. It may be used for certain types of cancer (eg, leukemia). It may also be used for other conditions as determined by your doctor..Celestone Soluspan is a corticosteroid. It works by modifying the bodys immune response to various conditions and decreasing inflammation.

[Know more about it!](#)

3) functions your system cannot do or limitations

Now we didn't provide rating function for patient after they see our recommendations. And we don't support user history function.

4) main issues and problems you meet during the process of developing your system

Initially we want to build recommendation model in a machine learning way but fail to find proper online resource to crawl and work as training data.

Not everyone is familiar with Django framework.

No one has prior experience of building recommendation system.

5) main contributions your system makes

It is easier to use for patients than other complex drug recommendation system mainly built for doctors. The input parameter is fairly easy to access for non-medical-professional patients.

6) selling points

Our database design follows BCNF. And we choose Bayesian average algorithm to get the score of every drug to make recommendation.