1) working split

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

   Zhiwei Teng: Recommendation algorithm

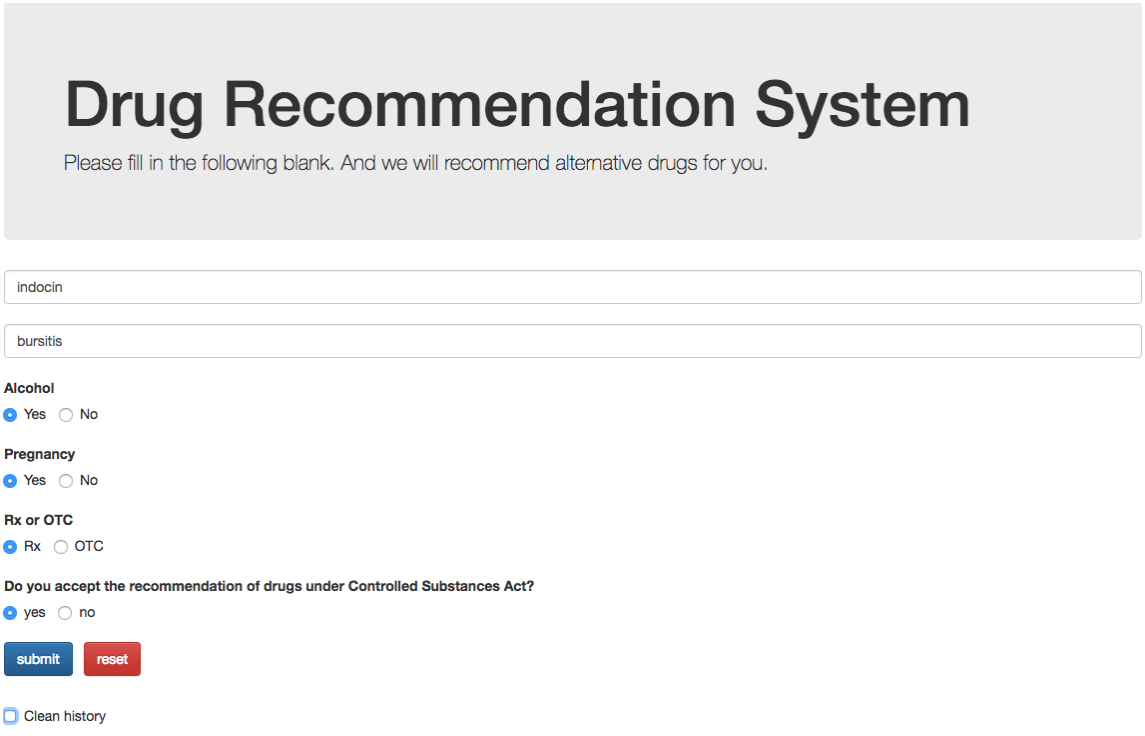
   Xin Zhang: Backend Implementation

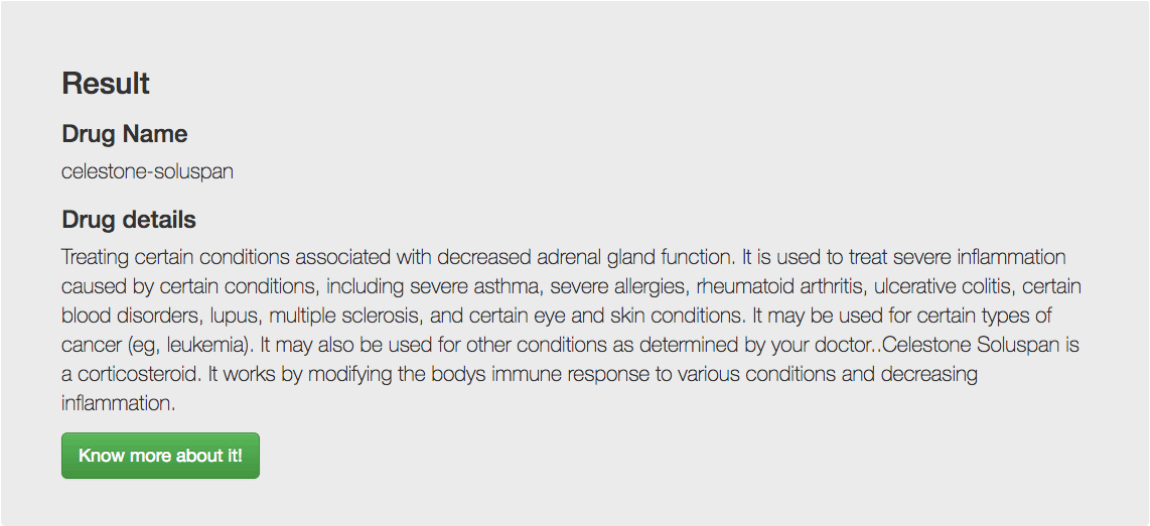
2) functions your system supports

   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





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.