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Database project for CS 4318

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Project Name: Recommendation of medication

Table of Content

1. Abstract………………………………………………………………………….3
2. Description………………………………………………………………………4
3. Database design…………………………………………………………………5
4. Database modeling……………………………………………………………..6

Abstract

When sick, a trip to the drug store is an unpleasant endeavor. Even knowing your illness, choosing the best medication to alleviate your symptoms can be difficult due to the large number of options available. This project would make this choice, and therefore the trip, much simpler. By imputing a list of symptoms, the database will cross reference and recommend the best medication for your symptoms. Medication is ranked based on its effectiveness for a symptom based on an ever growing list of surveys. These symptoms would include: headaches, toothaches, stomachaches, allergies, etc.

Description

This project is meant to help regular people choose the best medication for certain minor illnesses. The concept is done in a database where user have to input the kind of illness that they are having. From there, based on research and feedback from customers and medical documentation, we give you the best over the counter pills to take to stop the pain. The application will use several tables and several databases which will have several tables which are index. Each database will be tied to other with the index id to quicken the queries. Once queries are tied with other tables or database that contains medicine descriptions and ranking based on reviews that we gather and scientific documentations, queries will return top medicines for that specific illness along with their description and rank. All of these results will be presented in a nice user interface and pleasing to the eyes. Users will be able to see drop down menus for medicine descriptions and ranking. Users will also have the choices to write reviews and might affect the ranking of that medicine.

Database Design

The database will be designed as followed: