IronShade

In the past 6 hours we have come up with the following solution.

Our solution consists of 5 processes

1) The first process consists of a camera that performs an OCR function on Tablet strips. The data about the certain medicine is then scraped to get info about the medicine.

2) The following data is recovered after scraping

Name

Ingredients

Function of Medicine

Description

Dosage

Side Effects

3) If the customer has any allergies or complications with the ingredients of the medicine, or if the customer is undergoing a certain procedure (say pregnancy, using some other drug) under which a certain medicine can't be taken, he/she can be alerted of the same.

4) There is a constant emergency button that remains visible through-out the app. With the information stated to us by the customer, we know of the life-threating scenerios he may face.

We keep record of those scenerios and a nearby hospital, selected by the customer, is notified whenever there is an emergency. They have the customer's medical history ready with them for fast remedy.

5) We also assist in record-keeping of the customer. All the prescriptions and case studies by the doctors are scanned and kept in digital format by us.

This helps in easy access of those records whenever they are needed.

To implement the above mentioned solution, we are working to include OCR in our android app. We have found tesseract to be of great help.

The backend for the processing is build on Django and the database is a postgresql database.

In the next 6 hours, we will work to develop the solutions. We wish to get some results from scanning a medicine's name. API needs to be built for the exchange of information and that'd be built on DjangoRestFramework.