

Android App on Generic Medicine

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Abstract

The android app on generic medicine provides the basic information and knowledge about generic medicines, names of equivalent medicines on same kind of diseases. And also provides a way to buy the medicines online (online buying). A user can give feedback regarding the application and it also indicates generic stores.

Keywords: JAVA JDK, Android Studio, SDK

I. INTRODUCTION

Android is a comprehensive software stack of mobile devices that includes an operating system, middleware and key application. The rich source of software bunch is used in Mobile Technology through its innovation module of the Android Software Development Kit (SDK). Android initially came into existence with the sure fire idea that developments are given the power and freedom to create enthralling Mobile applications while taking advantage of everything that the mobile handset has to offer. Google's mobile operating device, the android is its awesome creation in the definitive creation of Software Applications for the mobile phone arena.

A. Basic Generic Drug Requirements

Same active ingredient(s), Same route of administration
Same dosage form, Same strength, Same conditions of use
Inactive ingredients already approved in a similar NDA

II. LITERATURE ANALYSIS

KUO-HUI YEH et. al. Have proposed the A fraud detection system for real-time messaging communication on Android Face book messenger. According to them an integrated platform consisting of natural language processing, matrix pre-processing, content analysis via latent semantic model and cosine similarity is proposed for fraud detection. We collect a series of fraud events in Taiwan and construct major analysis modules of the proposed fraud detection system. Moreover, a mobile application is built for Android based smartphones as the content retrieval and alert notification for doubtful logs and fraud events.

III. METHODOLOGY

A. User Side:

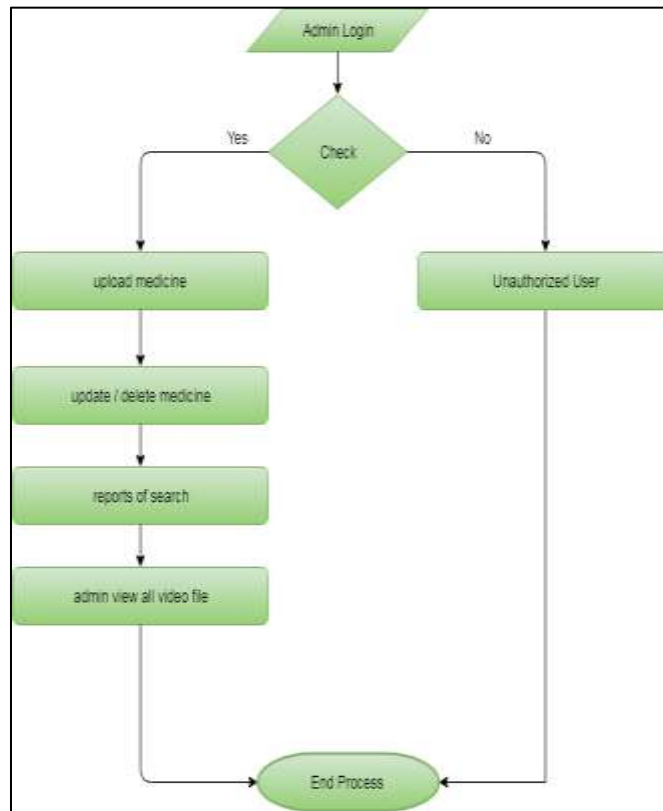
- 1) Registration: The user can create an account before signing in.
- 2) Login: If the user has account he/she can login by giving correct username and password
- 3) Medicine Search : One can search the required medicine based on brand name, disease name
- 4) Online buying: If customer wants to buy, they can buy using this app
- 5) Feedback: The user can give suggestion to improve the app further.
- 6) Ratings: The user can rate the app.
- 7) Locations: The app also provide information of nearby Janoushadhi shops.

B. Admin Side

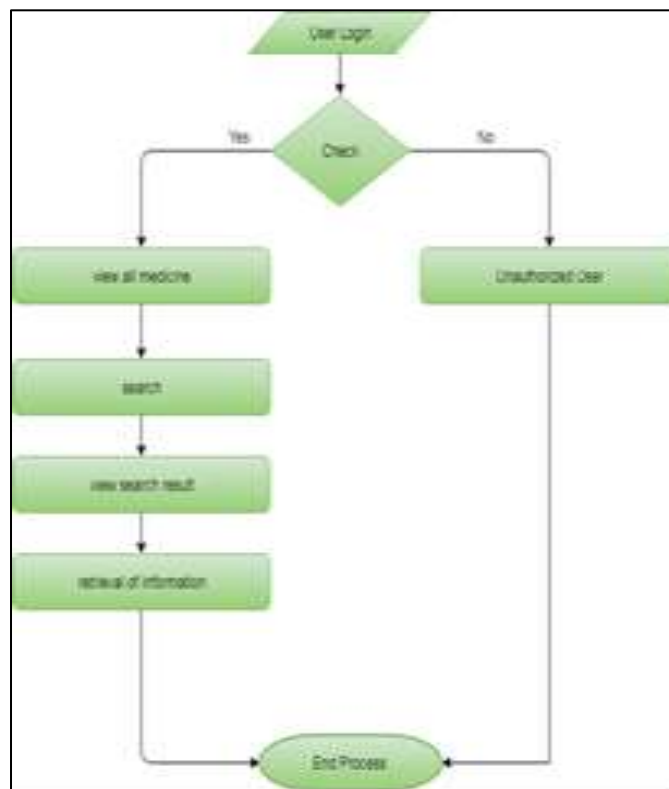
- 1) Admin Login: The admin has to login.
- 2) Upload medicine: The admin has to upload medicine list by providing all the necessary details.
- 3) Store: The admin has to provide information of nearby medical stores by filling appropriate latitude and longitude values.

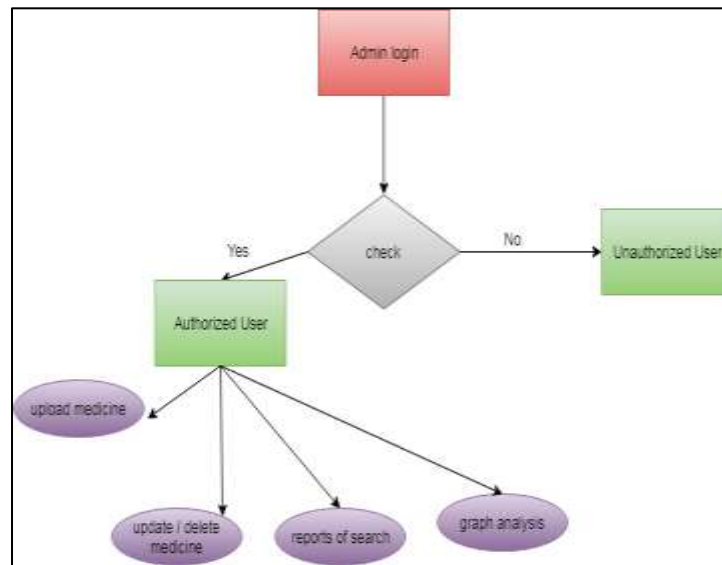
4) Logout: After uploading medicine list the admin has to logout

C. Data Flow Diagram of Admin Side

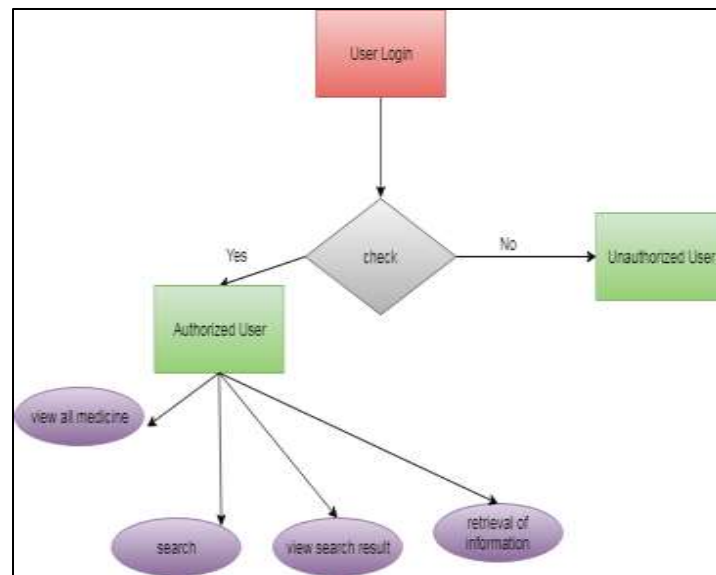


D. Data Flow Diagram of User Side

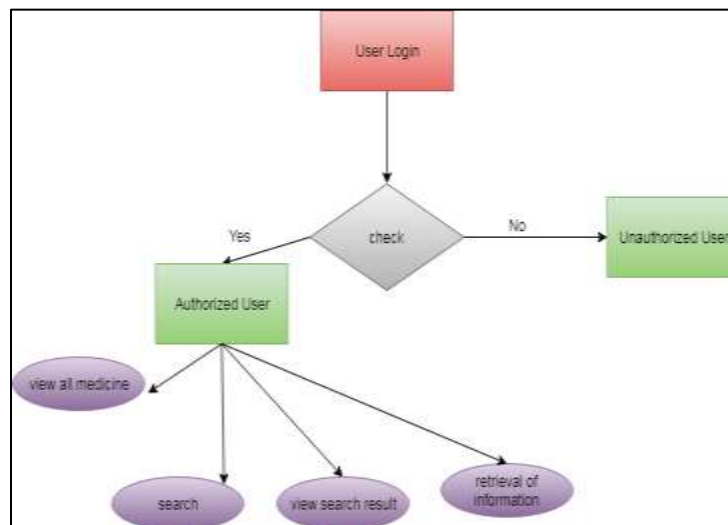




E. E-R Diagram of User



F. E-R diagram of user



IV. RESULTS

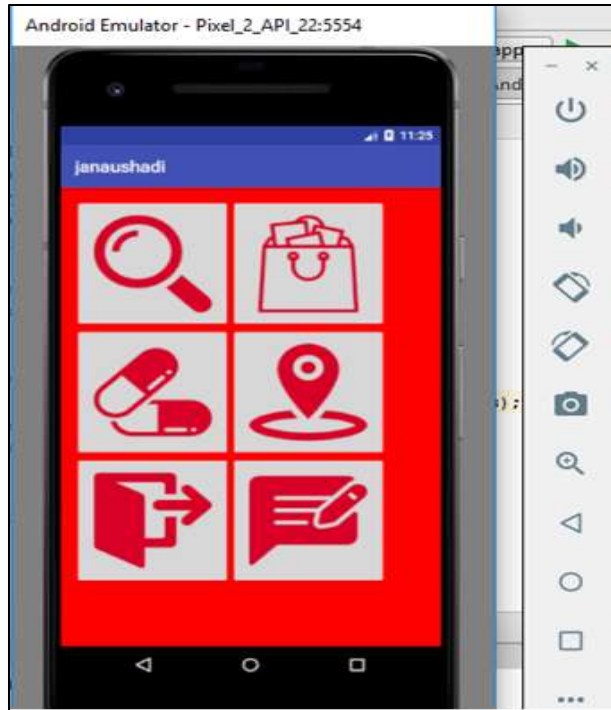


Fig. 1: Home page

Figure 1 showing various options for user to go through the activities like searching, buying, viewing the medicines available in the app, location of nearby medical stores, feedback and can go back to login page.

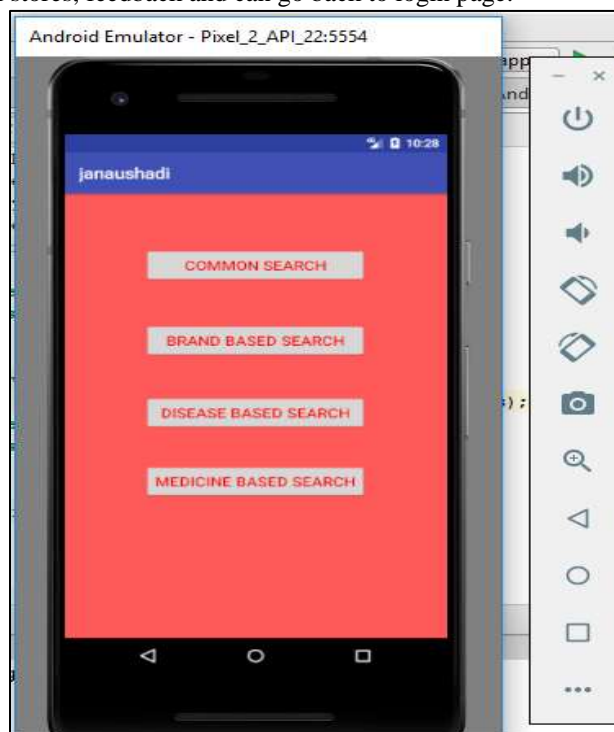


Fig. 2: Searching options.

Figure 2 shows the search page of Medicine where user can search the medicine based on the category. Category name should be given then search result appears in the form of lists. By clicking on, the medicine content will be displayed with the information like quantity, cost and composition of medicine.

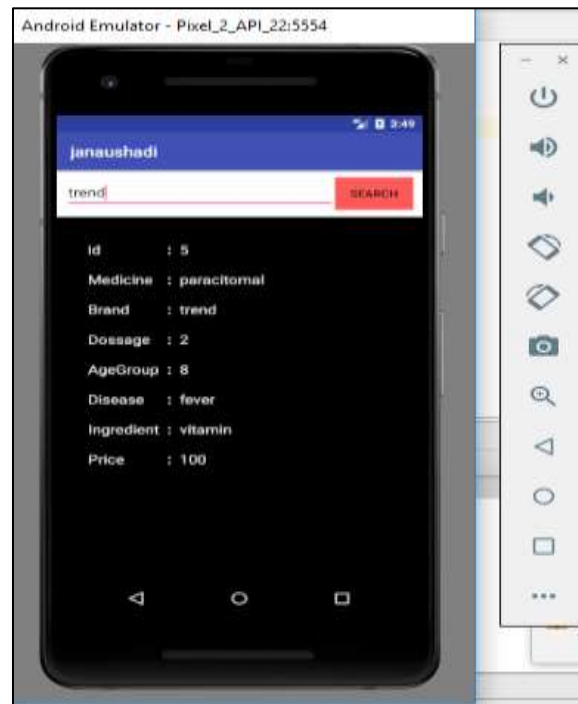


Fig. 3: Medicine details

Figure 3 displays a medicine list when a searched category is found. When user enters a medicine name, list will be displayed if that medicine is present. Otherwise it displays nothing.

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- [2] HoudaJaouani et. al. Have implemented and demonstrated the Hybrid task and message scheduling in hard real time distributed systems over FlexRay bus.
- [3] Ivan Gojmeracet. al. Have implemented the Public warning and alert system for Austria the efficiency of first responder organizations in crisis and disaster situations can be greatly improved by providing timely and accurate information to the general population.