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BAHIR DAR UNIVERSTY

BAHIR DAR INSTITUTE OF TECHNOLOGY

FACULITY OF COMPUTING

DEPARTMENT OF SOFTWARE ENGINEERING

MEDICAL CARE ANDROID APP

**GROUP MEMBERS**

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**Introduction**

The Medical care application is an end client support and consultation project. Here we propose an android application that allows clients to get instant guidance on their health problems through an intelligent healthcare services application on the system. The application is encouraged with different side effects and the diseases/illness related to those frameworks. The application enables a client to share their symptoms and issues. It at that point forms client’s side effects to check for different disease that could be related with it. Here we utilize some keen information mining procedures to figure the most exact sickness that could be related to the patient’s symptoms. In the event that the application can’t give appropriate results, it urges clients to go for blood test, CITI scan or whichever report it feels client’s side effects are related with, so next time client might have the capacity to login and transfer a picture of those reports. The doctor may now contact the patient for the additional process.

Generally, the aim of the app we designed is to help patients who cannot get medication as fast as possible. So the app helps the patient to make a first aid by own itself.

**Group Member Role**

Everyone has participated well in this project from data gathering up to pushing the project to git.

* Mikiyas Girma: group leader and worked on designing and developing the system as a backend developer.
* Yoseph Abraham: has participated well in User Interface and Database design and implementation.
* Soloni Beker: has participated in designing and coding the animation in the splash screen(on Board).
* Saron Keneni: has participated in gathering and compiling information.
* Yordanos Damtew: has participated in building recyclerview adapters and modeling the whole system.

**Problem Statement**

Our project aims to tackle the problem of people getting into a severe stage of disease just because they don’t have financial capacity to go and check to hospitals or due to lack of time.

The Problem We want to solve

1. To Give medical assistance for those who can’t get medication easily
2. If someone feels sick and he don’t know anything about the disease and its medication he can get the possible way of curing itself by tapping his or her symptoms
3. Prevent diseases by giving advice for the customer
4. Giving advice on their health care
5. Reminding their medicine taking time for those who forget easily

**Tools and Technique that we used**

We have used different tools and techniques that we thought were helpful for building this app.

Some of the tools are:

* **SQLite** – for database since we want our app to be usable all over the place with out restriction of a network access. we have chose to make our app offline.
* **ViewPager** – this is from material design, and we used viewpager to inflate different fragments to the splash screen.
* **Time picker** – this is a dialog box that pops up in order to accept users time input.

**Functionalities**

Fully completed Functionalities

* Diagnosis - Accept user input from a checkbox, process and return a dialog screen showing the possible disease.
* Information – go to tips and look for pandemic and critical disease before they affect us.
* Set medicine alarm

Half completed Features to be completed

* Give address for best doctor based on the customer disease
* Giving advice on him food system based on his blood type and other criteria

**Conclusion**

We have learned so much from this project from gathering the necessary information to pushing the app, which makes us realize how challenging It is to build on a real world application that can really impact the society if its done well.