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App for Orphan

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Abstract: Our app for orphan is a digital platform designed to provide a useful and user friendly environment to children who lost their parent due to cause. This application will help orphan tackle their problem such as getting proper choice for choosing their parents or knowing them before getting adopted. Overall, our app is here to improve the quality of life of orphan by providing this interactive platform.
Keywords: Adoption, Android Studio, Python, Personality test.

I. INTRODUCTION

Being an orphan is not in our or anyone's hand. Loosing parents is the most hilarious experience which is faced by millions of children in our country and beyond to which leads to affect their economic, social and emotional wellbeing.
To support or address these challenges, there is need for supportive and empowering environments for orphan. This is where our app comes in work. This app acts as a guide which not only guides orphans but also the parents who are eager to adopt child. It provide supportive and user friendly environment to the user which will lead them to proper destination.

II. EXISTING SYSTEM

Existing system helps in donating food, clothes, and funds to the orphanages and it also features without much searching in adopting the children from the orphanages. On some of them they try to create an interface between Orphanages which are in need of charity and people/Volunteers who are willing to help these people. Volunteers can contact the orphanages to do the help which is feasible to them.

III. DRAWBACKS OF EXISTING SYSTEM

Existing system can be updated and made better. They have lower hand in adoption process. Or is just about tally, we should provide more content. And mainly if there is adoption through any of them they contain chain of process which are needed to be performed for a child to be adopted. This is the main disadvantage of the existing systems.

IV. LITERARURE REVIEW

This project will prove that the unit of measurement all have humanity, caring, and love with others for the helpless orphan individuals or maturity groups.[1] Can be better. Has lower hand in adoption process.
Using this application user can find nearby orphanages, donor, volunteer by just clicking on and surfing through our devices.[2] This makes easier for user when he can't actually visit the places like in covid period.
In this proposed system they try to create an interface between Orphanages\Old age Homes which are in need of charity and people/Volunteers who are willing to help these people.[3] Its just about charity and donation nothing extra.
The implemented application helps in donating food, clothes, and funds to the orphanages and it also features without much searching in adopting the children from the orphanages.[4] Can be improved by adding some behaviour detection process.
This work has been able to develop a system that tracks the updates on court cases. The system has been implemented to facilitate easy and effective registration and verification of orphan's information.[5] Is just about tally, nothing more they have considered while developing this,should provide more content. From this application a child can be sponsored. They can donate books, other stationary items, miscellaneous items like clothing, blankets, bed sheets, shoes etc. They can donate any amount of cash in online or offline. The bank details are available.[6] There is no adoption process included in this app is just about sponsoring and donating

V. PROPOSED SYSTEM

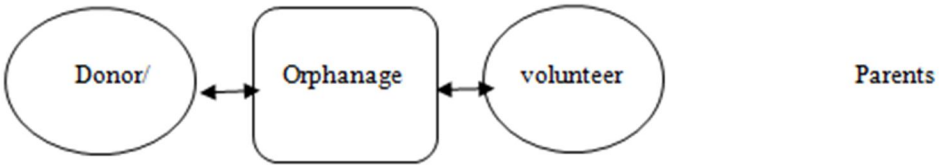
In our app we'll be providing the interface between user and orphanages so that there is no middle man between them. If user is parent they will be provided options of children according to their personality which will be tested while registering as parents. And if user is doner/ volunteer they can directly contact to orphanages through details provided to them through our app.

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VI. SYSTEM ARCHITECTURE



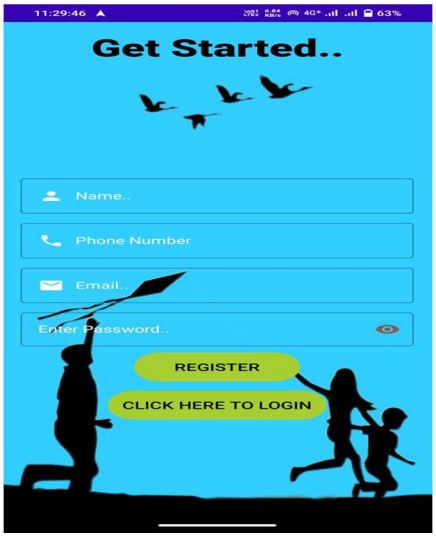
After selecting domain process will differ for different domains like for orphanages they will again have to register but this time full information i.e. capacity, no of orphans right now, their contacts….etc.
And for parents there will be a small personality test for setting up their priority while providing them options
This following will be the flow of information in our application.



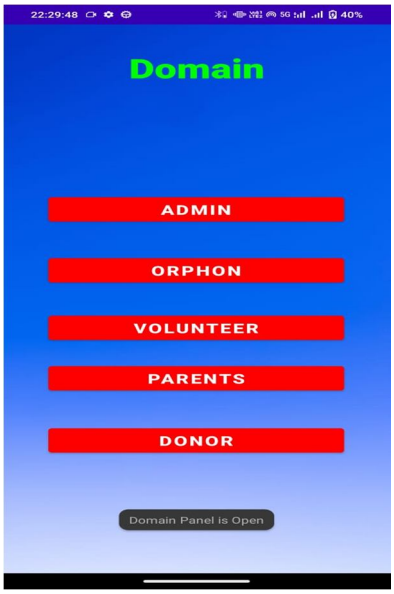
VII. MODULES

1) *Registration:* User need to register before getting access to features of our app, there are different information like Name, Phone number, Email, and also they will have to create password for their profile so no other person can use it. Following is our sign in & log in page.



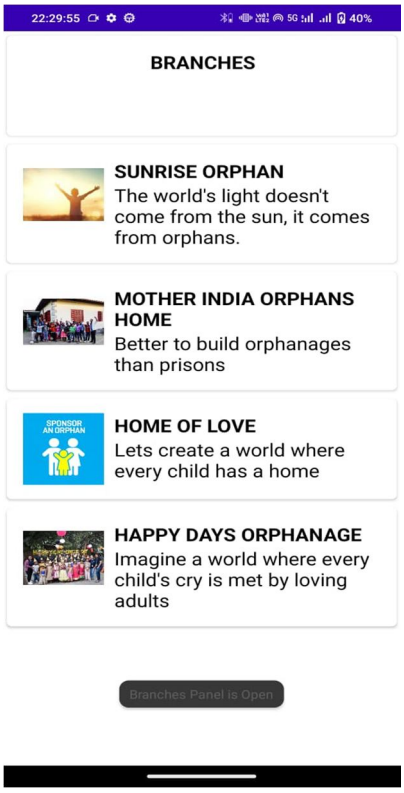


2) Posting Needs: After registration we'll have to select a domain of choices provided below.
Every domain will have different further process.

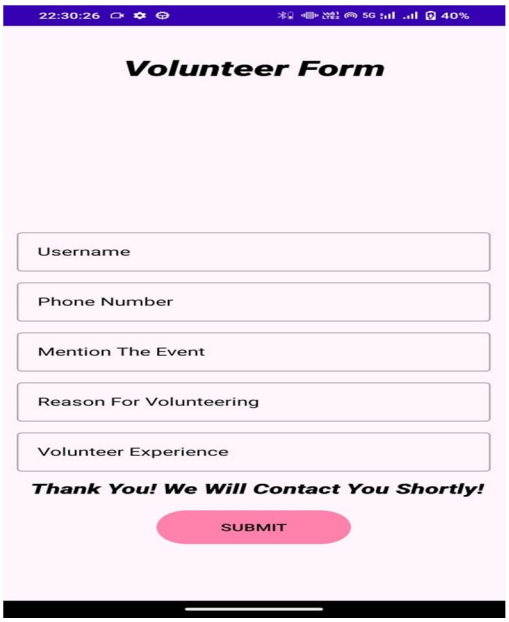


a) Domains

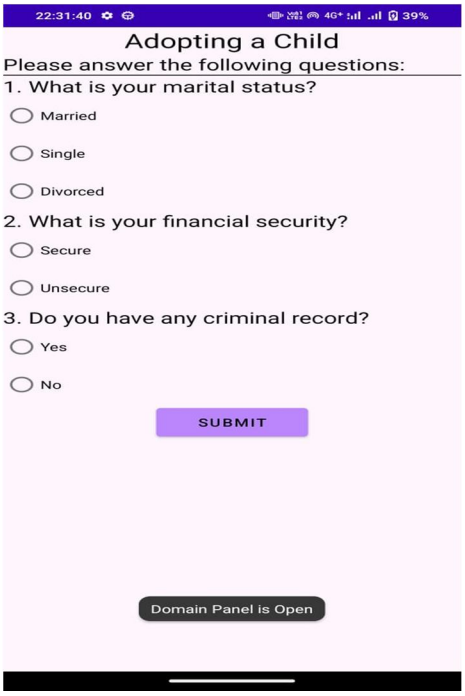
- *Admin:* Basically it's orphanage, by selecting this domain you will further have to provide detail information on the orphans in that particular orphanage and capacity…. Etc. After filling all these information, the orphanages will be shown on a page.
- *Orphan:* If any orphan wants to register himself individually then he also can sign in.



- *Volunteer:* If any individual or group of individual wants to help in any of the event organised by orphanages, they will have to fill up different form. They will be provided with the list of events so they can choose one,



- *Parents:* While registering as parents the user will have go through a particular test to verify if they are eligible to adopt a child. Test will consisting of their personal life questions like mentioned below.

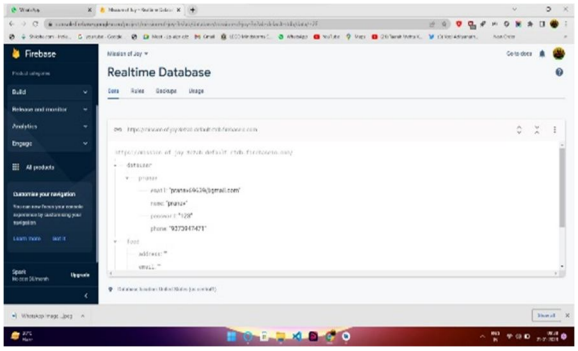


- *Donor:* If someone by choice wants to donate some food, clothes, furniture …etc. They will have to fill up their information and contact details and that will be shared with orphanages. Which further will contact them and then donor will have the choice to select the orphanage.

VIII. TOOLS USED

1) *Android Studio:* It is integrated development environment used for developing android application. It is the official ide for android development. It provides wide range of features and tools to make android app development easier. Overall android studio is powerfull platform for developing an application.

2) *Firebase:* It provides cloud storage. It doesn't SQL for the database and for the storage of data. When you build cross-platform apps with our Apple platforms, Android, and JavaScript SDKs, all of your clients share one Realtime Database instance and automatically receive updates with the newest data. We have used it to store our data.



3) *Python:* We all know these language, we have used it to build an algorithm which will adjust the options according to personality developed the test taken during registration of parents.

IX. FUTURE SCOPE

There are several potential points and opportunities for the development of an app for orphans. Here are points mentioned below:

1) *Inculcating New technologies:* As new technologies are emerging, we can integrate them into this application which will help orphans. For example we can include the virtual reality into this application so can help orphan to learn and know their future ones.
2) *Use of artificial intelligence:* As this application will be storing huge no of data artificial intelligence can be used to sort this data according to users preference and provide it proper list.
3) *Integrating new features:* After the feedback of users and studying the needs of orphans we can add new features to the app like adding features which will help in education sector for orphans.

X. CONCLUSION

This app can improve the life of many orphans and also the needy parents. By providing centralized platform for adoption, donation and volunteering. The app can also be the important tool to connect the orphans, caretakers, orphanages to the needy parents who willing want to perform adoption.

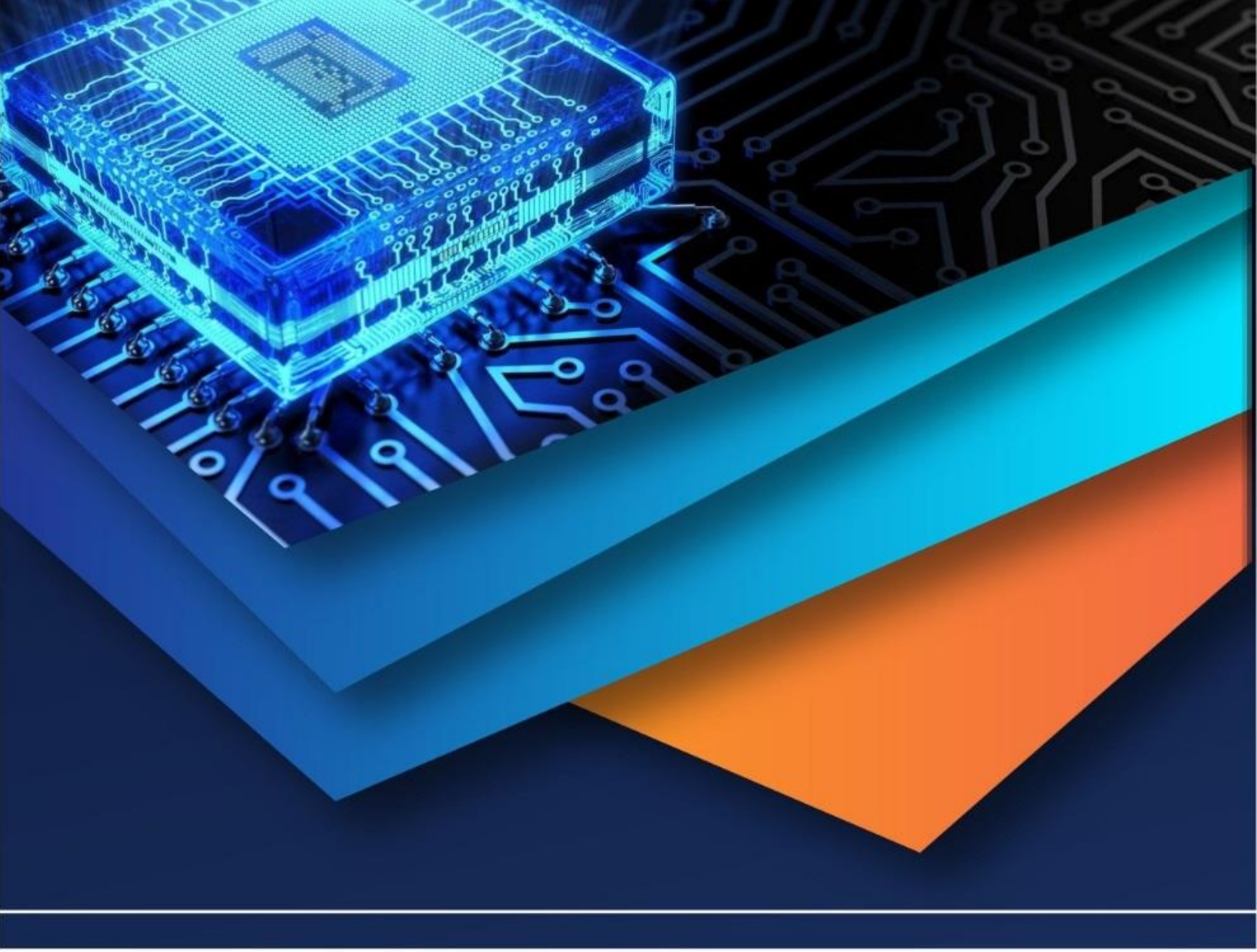
XI. ACKNOWLEDGEMENT

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Finally, we would like to acknowledge the countless hours efforts put in this app development by our team members, who have been dedicated to improve the life of orphans. Without their efforts this app wouldn't have came into use.

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