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An Android Application for Child Adoption Forum

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ABSTRACT: To begin with, Child Adoption has always been a tedious process. Irrespective of variations in types of adoption, be it domestic, international or relational, one has to go through several legal procedures. To get the custody for the child who has lost emotional ties with birth parents and has developed new attachments with adoptive parents is a complex process. To get complete legal rights of the child an applicant goes through several challenges like financial, emotional, legal, inter-country, health etc. Child Adoption Forum provides overall information about the orphanages and child care centre located in several regions of the world. It provides complete guidance with descriptive information about the further legal procedure to move forward with. Along with that, the details of the desired adoptive parents can be retrieved and further communication can be carried along using the application.

KEYWORDS: Child Adoption Forum, communication, Inter-country

I. INTRODUCTION

Child adoption can be difficult emotionally and financially for both adoptive and birth parents. In some instances longing childless parents have to go through lots of exploitation as well as young women in stressful circumstances of an unwanted pregnancy. Even the positive intentioned adoptions can go wrong: parents that were not really meant to be parents, children that never feel whole or carry a sense of abandonment their whole lives. According to United State Census Bureau “Thirteen percent of adopted children of the householder were internationally adopted where 51% of these internationally adopted children under age 18 were born in Asia, which is about one-fifth (20 percent) in Latin America and about one-quarter (25 percent) in Europe”. Fetching information through an online portal before visiting the child care centers and orphanages can save one’s time and expenses. Nonetheless, prior information makes the formalities easier and convenient. Taking these factors into considerations, the application was designed where even International adoption can become easier. It consists of rules and regulation along with the policies that different countries follow under the guidelines of their respective ministry. It provides details about several orphanages with their location, contact details, registration details and number of children residing in the compound.

II. LITERATURE SURVEY

1. Nathan Gwilliam implemented an mobile application called Adoption.com that inspires, educates, and helps people to connect with the adoption community. This application reads and shares riveting, informative adoption-related stories, guides and other articles and has collaborated with many NGOs and INGOs with thousands of children waiting to be adopted. Adoption.com, in a college computer lab in February 1997 the Adopton.com application has been serving the adoption community for more than 2 decades. In the course of this time, Adoption.com has served as the world's most-used adoption site, the biggest adoption community over internet, the most victorious independent adoption profiles site, a huge adoption reunion registry, the largest adoption social media following, and the most-read publisher of adoption articles, videos and other content.
2. Child Adoption Resource Authority (CARA), an administrative body of an Indian government body, was proposed by the Ministry of Women and Child Development. It centers around women and young children, and it regulates the lawful cycle for embracing youngsters both inside and outside of the country. The association fills in as a nodal point for the appropriation of Indian youngsters and is answerable for planning the cycle.

3. Nepalese Government office implemented the Ministry of Women, Children and Social Welfare (WCS) which is responsible for adoptions in Nepal. Officially, the Ministry has recognized Bal Mandir , also known as Nepal Children's Organization (NCO), to process adoptions, although adoptions through other orphanages are possible. The government of Nepal is planning to build a separate department for child adoption in collaboration with few recognised child adoption agencies and organizations. With the department on run, the use of such applications can be very helpful.
4. The Royal Government of Bhutan implemented the National Commission for Women and Children (NCWC) in 2004 as the public hardware to start to lead the pack in advancing and securing the privileges of ladies and kids in the country. The Commission was moved up to a completely self-governing organization in 2008 thinking about the rising number of issues and the Commission's expanding duties, under the Royal Government of Bhutan. A Commission consisting of a Chairperson (Cabinet Minister) and significant level authorities from important government, non-government and the private area administers the NCWC. The NCWC Secretariat is run by the Director, under whom there are four fundamental Divisions/Services: the Children Division; the Women Division; the Legal Services; and the Secretariat Services. The principle proverb of the NCWC is to set up a feasible and thorough framework to standard, ensure and advance the privileges of ladies and kids in Bhutan.
5. The Hague Accreditation demonstrated Family Connection's contribution to children and adoptive families in the future. The Hague Accreditation by the Council on Accreditation (COA) is a national certification that certifies Family's Connections, Inc.'s adherence to the Hague Convention on the Protection of Children's ethical and moral standards of practise in international adoption. The Convention on Inter-country Adoption and Co-operation in Respect of Inter-country Adoption, as well as the United States' Universal Accreditation Act and the Inter-country Adoption Act of 2000. The Hague Convention developed basic practise standards for international adoption that must be followed by all Hague Accredited agencies. These guidelines provide protections for children and prospective adoptive families to ensure that inter-counselling relationships are effective.
6. The 1974 World Population Conference's World Population Plan of Action called for making infant adoption easier so that involuntary sterile and sub-fecund parents could have the family size they wanted. The suggestion that adoption is a way to approximate biological parenthood for couples who would otherwise be unable to have children was implicit in this recommendation. More than three decades later, the general consensus is that, in a society where marriages are increasingly delayed, childbearing is deferred, and biological childlessness is on the increase, a growing number of people are turning to alternative forms of parenthood, such as adoption. In light of developments in nuptiality and childbirth, this study examines adoption patterns.
7. The Population Division of the United Nations Secretariat's Department of Economic and Social Affairs is in charge of tracking population policies in all countries around the world. Since 1974, when the United Nations held its first intergovernmental conference on population, the Population Division has been in charge of monitoring and evaluating the implementation of the proposals or programmes of action adopted by the UN's international population conferences. The Population Division conducts in-depth research on particular population policy topics as part of its work. The aim of this study, which focuses on child adoption policies and patterns in 195 countries, is to provide governments with the information they need to evaluate their policies in this region. One of the report's main findings is that the data on child adoptions available has a number of flaws that prevent a detailed examination of the factors that influence the process and its implications for the parties concerned. More comprehensive data on adoption will be collected and published in a structured manner, providing valuable insights into how the mechanism works and validating interventions that are currently in use that the authorities in charge could use to ensure the welfare of adopted children.

III. FLOWCHART

System Flow Diagram:

1. In our proposed system first data owner registration with login with proper authentication.
2. Data User registration and login with proper authentication, After login user search different file with Multi-keyword search, Fuzzy keyword search and Search using hash value also.
3. After login, the user views the home page.
4. User selects the desired region they want to get the information about.
5. The Information page of the different organizations loads with respect to the click by user.

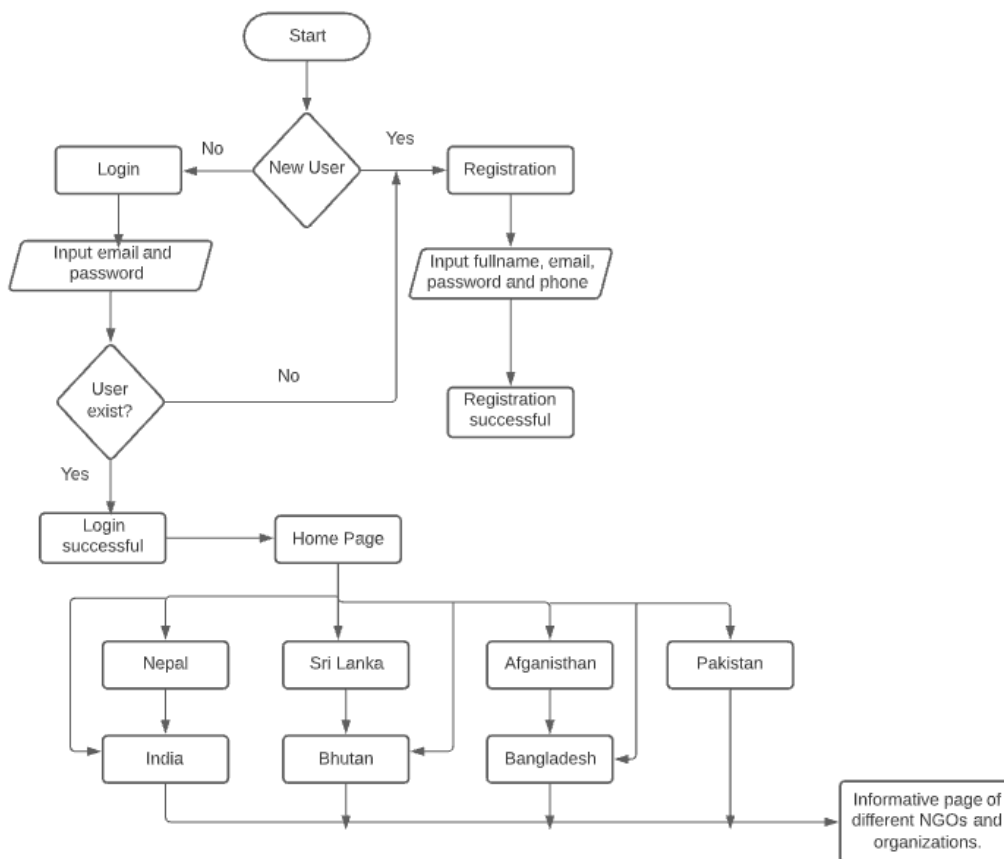


Figure: Flowchart of the application

IV. METHODOLOGY

Child Adoption Forum is an application build mainly focusing on childless couples who have to go through lots of exploitation from people. There are few technological features in this application that allows users to contact the adoption agencies and orphanages centre remotely. Be it international or national adoption, the application provides overall details for the total procedure and legal information about the adoption norms and rules across the world. In this system or an application user can register themselves and can use many features like website links to the personal websites of the orphanages with the total number of children in the house, emergency contacts, calling them directly when they need and enquiry options for more follow ups.

1. Firebase Authentication for Google Signup and Facebook Sign Up

Many applications need to know user identity. Knowing a user's identity application allows a safe and secure access and saves the data to the Realtime database and provides the same event to all the user's devices. Firebase

authentication has been used for users to login into the application by its credentials. The user can sign in by using email id and password, Google Sign In and Facebook Sign In.

2. Use of Grid view with card view

It can be difficult to strike the right balance when displaying vast volumes of data in an Android app. CardView simplifies the presentation of data in Google Now-style cards. Multiple child views and content styles may be contained within a single CardView. A GridView is a two-dimensional, scrollable grid of rows and columns that displays objects.

3. Use of Recycler View with Card view

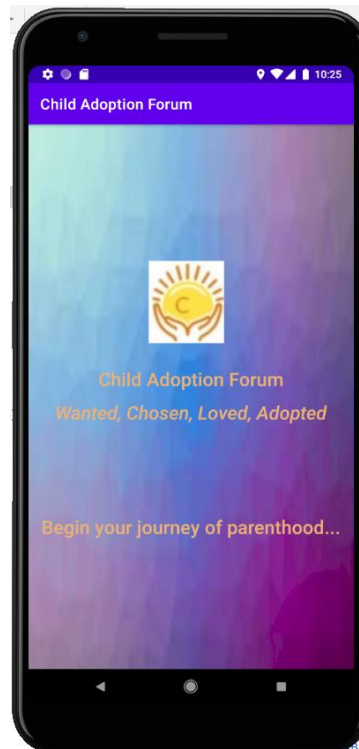
ListView has been expanded to build RecyclerView. We can load a large amount of data into RecyclerView, and the objects in RecyclerView can be customised. Since RecyclerView uses the ViewHolder design template, we'll need to build a Data class to store data for it and a ViewHolder class to assign data to each object in the RecyclerView.

4. Phone number and website linked with associated organization

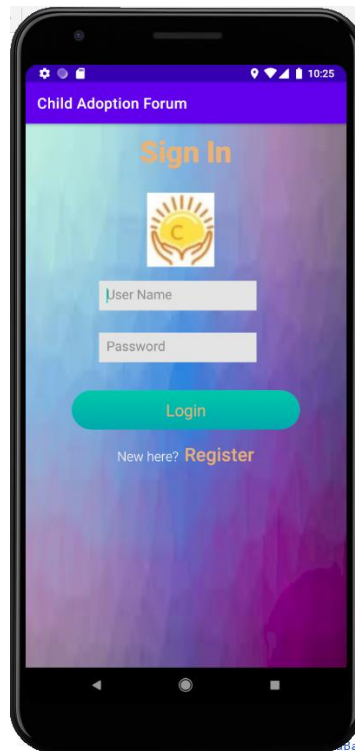
The application provides facility of calling the authorised person of an organization with a single click in the call logo. Different organizations have been assigned with the associated contact numbers so the user can easily contact them when needed. The application also provides Url link of the website of respective organization for in depth details.

IV. IMPLEMENTATION

The application consists of various activities starting from Splash screen to the Home page where the details about the organizations user wants can be fetched. Few of the screenshots of the prototype application have been attached in this paper.



Screenshot 1.1 : Splash screen



Screenshot 1.2: Login Activity



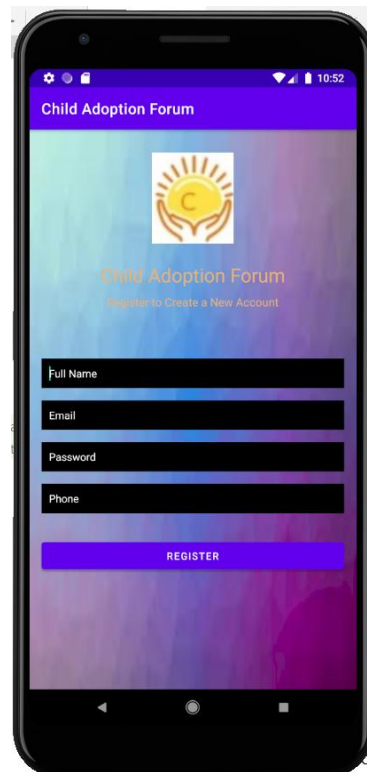
Screenshot 1.3: Home Activity



Screenshot 1.4: Activity on Child Adoption centres



Screenshot 1.5: Activity on the details of the adoption centre



Screenshot 1.6: Registration Activity

V. EXPECTED OUTCOME

The application, Child Adoption Forum is built in a very user-friendly manner taking age and regional factors into consideration.

The application is divided into multiple activities and 3 modules in total.

1. **Module 1 (Splash Screen):** The first activity is the splash screen where the user can view the logo, slogan and welcome text on the page.
2. **Module 2:** In the first module, we begin the process with login. In the login process the user can input his unique username, email and password if he has already got an account. If the user is new to the application, he should sign up by inputting his name, password, email id and mobile number. Thus the user can login to his account with his allocated username and password. The signed in users can access the list of organizations and make actions accordingly.
3. **Module 3:** Module 2 of the application comprises Home Screen that has a list of nations that the application is associated with. On selecting a specific country, users can simply get an overview about the organizations. They can get an overview about the organizations by accessing information about it, call options and the website too that can be accessible to the users.

VI. CONCLUSION

The implementation of the application can make a huge impact on the whole system and norms for child adoption. An organization can use the application to know the flow of adoptive parents and vice versa. Child Adoption Forum provides overall information about the orphanages and child care centre located in several regions of the world. It provides complete guidance with descriptive information about the further legal procedure to move forward with. Along with that, the details of the desired adoptive parents can be retrieved and further communication can be carried along using the application.



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