SYNOPSIS

ON

MULTI-PURPOSE APPLICATION

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INTRODUCTION

Mobile apps that can perform multiple functions is a treat for all of us in terms of the time & effort it saves along with saving a lot of space on our mobiles. Single-purpose apps were just beginning of the app era, now it has shifted to the development of more multi-purpose applications encountering broader customer needs. A lot of apps that started off with delivering single service but quickly developed themselves to be an app that is multi-functional.

Multipurpose app specially designed for creating, your daily utilities to run smoothly and fast. Quick and Easy to use that your app will look stunning and work smoothly on all devices. Multipurpose app is the right choice if you want to create a professional and truly unique application for all purposes.

In addition to the inconvenience, there's a problem of phone space the average app fight against other apps for space on the phone. As a, result most app developers lose 60-70% of their app user with in 90 days of the user installing the app.

Our Multipurpose application work on various fields which makes a user more convenient to use applications at one place which reduces the time of the user and also make our ram management more efficient because user can perform several task just in single application.

Existing System

Some Application are present in market like multi-functioning which provide user many application in one place. It helps user but it takes more memory of the smartphones. Some application provide functions but not provide all function. They use more cookies and make our phone less optimise.

- Existing Apps :-

  - Universal Full Multi-Purpose Android App

  - Web two App

  - Modulio for Android

USE OF THE PROJECT

In this project , I am building a multipurpose Android Application. The application is a multi-functional app that consist of many operation including some media and some device functionality action. Also the application consist of all types of log in methods possible for eg. login with otp, login with gmail, etc. Using google's firebase authentication service. The application also store some data in real-time database of google's firebase realtime database service. The application is build using java programming language.

As the name suggest , user can perform a bunch of tasks just by using single application. The tasks includes sensor action ,media action ,calculator actions , camera actions, browser action , quiz action ,mp3 player ,mp4 player, image capture, video recording and much more.

FEASIBILITY OF PROJECT

We are making this app feasible to work all functionality as expected by the user by using the technology of android studio and java programming language, google firebase, and some inbuilt libraries of Java.

We have made this app for smartphone running above android version 4.4 so it will be useful for those user also who do not have new technology smartphones.

Github Link For Code:

https://github.com/Prateek7401/Mini-Project_MultipurposeApp/

FUNCTIONAL SPECIFICATION

❖ Login

  ➢ With OTP

  ➢ With Gmail

  ➢ With Offline E-mail

  ➢ With Firebase

❖ Sensor Action

  ➢ Proximity Sensor

  ➢ Accelerometer Sensor

  ➢ Flash Light

❖ Media action

  ➢ Mp3 Player

  ➢ Mp4 Player

❖ Camera Action

  ➢ Image Capture

  ➢ Video Recording

❖ Calculation Action

  ➢ Simple Calculator

  ➢ Text to Speech Calculator

❖ Browser Action

  ➢ Url Search

  ➢ Searching

❖ Quiz Action

SOFTWARE SPECIFICATION

- Technology Implemented-: Android ,Google Firebase
- Language Used-   Java
- Database-   Realtime Database
- User Interface design -   Android Studio
- Web browser -   NaN

HARDWARE REQUIREMENT

- Processor –   All Android Mobile processor
- Operating System – Min requirement Android version Above 4.4
- Ram-   4 GB+
- Hardware Devices – Tablets, Smartphone running on Android Operating system
- Hard Disk-   64 GB
- Display-   5.5 inch +

FUTURE SCOPE

A person has 50+ apps on the phone including the pre-installed apps you cannot delete. Out of which the apps you use on a regular basis are probably somewhere around 25-30 max.

Apparently, there are no good reasons to keep those apps installed but here are some more 'no good reasons' to help you uninstall those apps:

- It's a no brainer that devices with apps stuffed in it lack performance.
- Your battery drains faster than you were promised by the device manufacturer.
- To avoid the chaos of using multiple apps for different requirements.
- It is very difficult to manage 'n' no. of apps in your device without putting extra load on the phone. Not everyone has a phone with bigger RAM!
- With the introduction of multipurpose apps, single-purpose apps lost a huge chunk of its users.

Including all the above reasons and considering the busy schedules our day is occupied with.