Adaptive Mail : A Flexible Email Client App

ABSTRACT:

As world's technology is rapidly growing we has fast connection and network to instantly connect to other person. Day to day use in mobile, tablets and laptop is increasing, most of the people already have this facilities. In this fast and information oriented world we need to stay updated with every incidents and news too. This News app is android mobile application where user have access to latest news from 120+newspapers from 50+ countries. The main focus of this application is to connect news articles from all around the world and deliver it to user as fast as possible in best visualize Way

INTRODUCTION :

Android is a mobile operating system based on a modified version of the Linux kernel and other open-source software, designed primarily for touchscreen mobile devices such as smartphones and tablets. Android is developed by a consortium of developers known as the Open Handset Alliance, though its most widely used version is primarily developed by Google. It was unveiled in November 2007, with the first commercial Android device, the

HTC Dream, being launched in September 2008.

At its core, the operating system is known as Android Open Source Project (AOSP) and is free and open-source software (FOSS) primarily licensed under the Apache License. However most devices run on the proprietary Android version developed by Google, which ship with additional proprietary closed-source software pre-installed most notably Google Mobile Services (GMS) which includes core apps such as Google Chrome, the digital distribution platform Google Play, and the associated Google Play Services development platform. Firebase Cloud Messaging is used for push notifications. While AOSP is free, the "Android" name and logo are trademarks of Google, which imposes standards to restrict the use of Android branding by "uncertified" devices outside their ecosystem

Android provides simple application structure and requires Java and Mark-up languages knowledge to work with. Such as, an discrete movement delivers a solitary screen for a user interface and a service whole completes work in the contextual. We can work on different module separately and can combine at the end, we can also add future modules easily afterwards.

API (Application Programming Interface) which is an intermediate interface between different applications. It provides automation, immediacy, adaption and personalization.

This app is a news application. This application will show the news about the world. This is better than old conventional newspapers as you can see news anytime and anywhere

now. This will also have live updates. This app will have some other features like adding your own news as an editor and people can see your published news too.

PROJECT MODULES

1. Login page
2. Register page
3. Main News Headlines Page
4. Display news page

LOGIN PAGE:

A login application is the screen asking your credentials to login to some particular application. You might have seen it when logging into twitter.

REGISTER PAGE:

In this article, we will take a look at adding a User Registration form in Android App so that users can register themselves in the app.

MAIN NEWS HEADLINES PAGE:

This app is a news application. This application will show the news about the world. This is better than old conventional newspapers as you can see news anytime and anywhere now. This will also have live updates.

DISPLAY NEWS PAGE:

This app will have some other features like adding your own news as an editor and people can see your published news too. Users can see the articles published by other users.

CODING:

```java
ViewPagerviewPager= findViewById(R.id.fragmentcontainer); tabLayout =
findViewById(R.id.include);

pagerAdapter=new                    PagerAdapter(getSupportFragmentManager(),6);
viewPager.setAdapter(pagerAdapter);


tabLayout.addOnTabSelectedListener(new TabLayout.OnTabSelectedListener() {
    @Override
    public void

onTabSelected(TabLayout.Tab tab) {
        viewPager.setCurrentItem(tab.getPosition());
        Uif ( tab.getPosition ()==0

|| tab.getPosition() == 1

|| tab.getPosition()==2

|| tab.getPosition() == 3

|| tab.getPosition()==4

|| tab.getPosition() == 5 ){

        pagerAdapter.notifyDataSetChanged();

    }
}

    @Override            public            void
    onTabUnselected(TabLayout.Tab tab) {

    }

    @Override            public            void
    onTabReselected(TabLayout.Tab tab) {

    }
}) ;
```
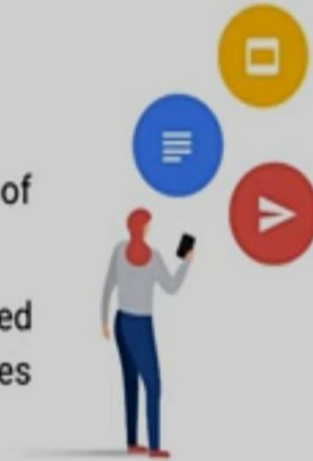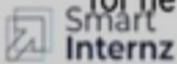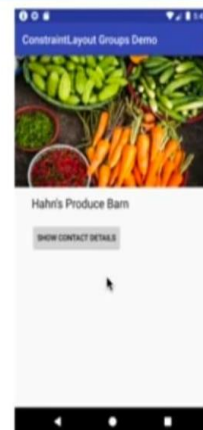
The opportunity

- Mobile devices are becoming increasingly commonplace

- Mobile apps connect users to information and services that can improve their quality of life

- Many industries have yet to be revolutionized through mobile, and offer great opportunities for new businesses and solutions

Smart Internz

Groups

- Control the visibility of a set of widgets
- Group visibility can be toggled in code

Smart Internz

Android devices

- Android devices come in many different form factors.
- More and more pixels per inch are being packed into device screens.
- Developers need the ability to specify layout dimensions that are consistent across devices.

Smart Internz

Screen-density buckets

Density qualifier	Description	DPI estimate
ldpi (mostly unused)	Low density	~120dpi
mdpi (baseline density)	Medium density	~160dpi
hdpi	High density	~240dpi
xhdpi	Extra-high density	~320dpi
xxhdpi	Extra-extra-high density	~480dpi
xxxhdpi	Extra-extra-extra-high density	~640dpi

Smart Internz

DELETE -> deleting data from the server

App -> Retrofit Library {"send me photo" (URI / http GET)}
        -> BackEnd Server (Web Server)

Backend Server -> Retrofit (JSON) -> Moshi -> Retrofit (String objects) -> Objects

JSON: Java Script Object Notation
    {
        "image_id" : 1234,
        "image_url": "www.google.com/android.jpg"
    }

Smart Internz
Retrofit:

Data access object (DAO)

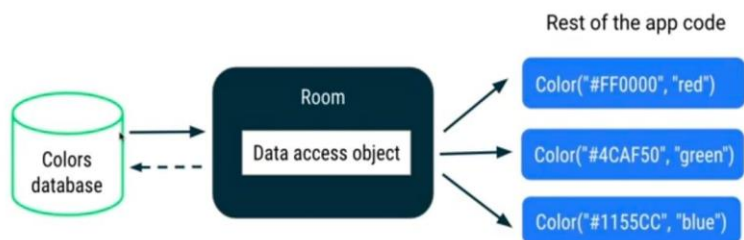Work with DAO classes instead of accessing database directly:

- Define database interactions in the DAO.
- Declare DAO as an interface or abstract class.
- Room creates DAO implementation at compile time.
- Room verifies all of your DAO queries at compile-time.

Room

CONCLUSION:

This project is developed for stack holders to implement end user system to manage their budgets and personal finance. Using personal finance management app user will able to manage their daily transaction based on category and can track their budget expense and income. Reporting is the main feature of this system which help user to know their current personal financial status. The main goal of this project is to deliver a digital computerized personal finance management system to end user to overcome their issue at current manual process