An Android Application ForKeepling up the latest Headlines

Project Presented by

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An Android Application ForKeepling up the latest Headlines

In this tutorial, you will understand how to build a basic public news app using Android Studio.

What is a News App?

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.

Flow of the Application

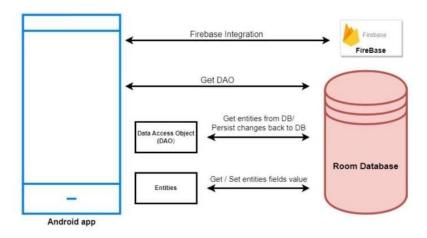
There is a login signup screen. On the dashboard of the app, there will be 3 buttons. There will be a button for publishing your own news, for seeing the general news, and for seeing the news published in the app. In general news, this will fetch news from API and will show it in the app. This app will show the news category-wise. There are a lot of categories.

- The users can publish their own news or articles in the app itself very easily.
- He can also add photos to their articles to make them look more attractive.
- He can also see the articles of other people.

Features of the Public News app

- 1. There is the main screen in this app.
- 2. Login and sign up are required in the app.
- 3. Users can see the real news with real-time updates.
- 4. The app will show category-wise news.
- 5. Auto update news because it fetch news from API
- 6. Users can see the news according to their interests.
- 7. Users can publish their own articles.
- 8. Users can add images to their articles.
- 9. Users can see the articles published by other users.

Architecture:-



Project Prerequisites

The project requires the following technologies/tools.

- **Java** Java is used for writing the coding part.
- XML XML is used for designing parts and design the screens

• **Firebase** – Firebase will be used for storing the published articles and publishing the news

Developing the Android Public News app

Let's look at the files that we created for the public news app before we implement it. Let us see them one by one-

- 1. **Activity_main**.xml is the dashboard file. This screen will contain three buttons.
- 2. There is a **MainActivity**.java to write the logic part.
- 3. We have to create different XML files for all three different screens and also their corresponding files for the writing of the logic part.
- 4. The following files are also used:
 - Colors.xml: This file is used for defining the colors of our app.

An Android Application for Keeping Up with the Latest Headlines

AndroidManifest.xml

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"</pre>
xmlns:tools="http://schemas.android.com/tools">
<uses-permission android:name="android.permission.INTERNET"/>
<uses-permission android:name="android.permission.ACCESS WIFI STATE"/>
<application
android:allowBackup="true"
android:dataExtractionRules="@xml/data extraction rules"
android:fullBackupContent="@xml/backup rules"
android:icon="@drawable/news app icon"
android:label="@string/app name"
android:supportsRtl="true"
android: theme="@style/Theme.NewsHeadlines"
tools:targetApi="31">
<activity
android:name=".DisplayNews"
android:exported="false"
android:label="@string/title_activity_display_news"
```

```
android:theme="Sstyle/Theme.NewsHeadlines" />
<activity
android:name=".RegistrationActivity"
android:label="Sstxing/Title activity_registration"
android:label="Sstxing/Title activity_registration"
android:theme="Sstyle/Theme.NewsHeadlines" />
<activity
android:sported="false"
android:theme="Sstyle/Theme.NewsHeadlines" />
<activity
android:theme="Style/Theme.NewsHeadlines" />
<activity
android:name=".LoginActivity"
android:name=".LoginActivity"
android:theme="Style/Theme.NewsHeadlines" />
<activity
android:name="android.intent.action.MAIN" />
<acteory android:name="android.intent.action.MAIN" />
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<ateer android:nam
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Theme.kt

package com.example.newsheadlines.ui.theme
import androidx.compose.foundation.isSystemInDarkTheme
import androidx.compose.naterial.isSystemInDarkTheme
import androidx.compose.naterial.isSystemInDarkTheme
import androidx.compose.naterial.isptColors
import androidx.compose.naterial.isptColors
import androidx.compose.naterial.isptColors
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    Faxt(rext = "Wittle, tootSize = 32.8p)
    HowlPook (whal = desk.toString())
    /* Asyncimage;
    contentDescription = "Translated description of what the image contains"
    Trage(
    painter = rememberImagePaInter(utiImage),
    contentDescription = "My content description",
    contentDescription = "My content description",
    // Greeting(desk.toString())
    // Greeting(desk.toString())
    // Greeting(desk.toString())
    // Fart(cent = "Wello #Damme!")
    // Fart(cent = "Wello #Damme!")
```

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import androids.compose.runtlime.*
import androids.compose.ui.Alignment
import androids.compose.ui.Alignment
import androids.compose.ui.gaphics.Color
impor
```

```
import android.xidget.FastMirex
import androidx.activity.ComponentActivity
import androidx.activity.componentActivity
import androidx.activity.viewModels
import androidx.compose.foundation.takege
import androidx.compose.material.taked
import androidx.compose.material.taked
import androidx.compose.material.taked
import androidx.compose.id.taked
import androidx.compose.id.taked
import androidx.compose.vii.Modifier
import androidx.compose.vii.Modifier
import androidx.compose.vii.Modifier
import androidx.compose.vii.Taket.indi.TaulMeight.
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import androidx.compose.vii.Taket.indi.TaulMeight.
import androidx.compose.vii.Taket.indi.TaulMeight
import coll.compose.vii.Taket.indi.TaulMeight
import coll.compose.vii.Taket.indi.TaulM
```

```
package com.example.newsbeadlines
import androids.compose.runtime.getValue
import androids.compose.runtime.mutableStateOf
import androids.compose.runtime.mutableStateOf
import androids.inempose.runtime.setValue
import androids.inempose.runtime.setValue
import androids.inempose.runtime.setValue
import com.example.example.Articlese's
import com.example.example.Articlese's
import kotlink.corountimes.launch

class KninviexBodel: ViexBodel() {
    varmovieListBeeponse:litutArticlese'sy mutableStateOf(listOf())
    vareroroftessage: String by mutableStateOf(")
    vareroroftessage: String by mutableStateOf(")
    valengisTring = ApiService.getTestance()
    valengisTring = ApiService.getT
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```
package com.example.newsheadlines
import android.content.Intent
import android.compose.foundation.layout.*
import android.compose.foundation.layout.*
import android.compose.foundation.layout.*
import android.compose.foundation.layout.*
import android.compose.material.cons.filed.mail
import android.compose.material.cons.filed.mail
import android.compose.material.cons.filed.mail
import android.compose.material.cons.filed.mail
import android.compose.material.cons.filed.reron
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import android.compose.ut.alignment.
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Descriptions

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Four Army personnel killed in firing incident inside Bathinda Military Station



A statement by HQ South Western Command of the Army said that the area was cordoned off and sealed and search operations are in progress.





How pep talk with Hardik Pandya changed Axar Patel's batting minset