



An Android Application For Keeping Up With The Latest Headlines

Introduction

1.1. Overview

Project Description

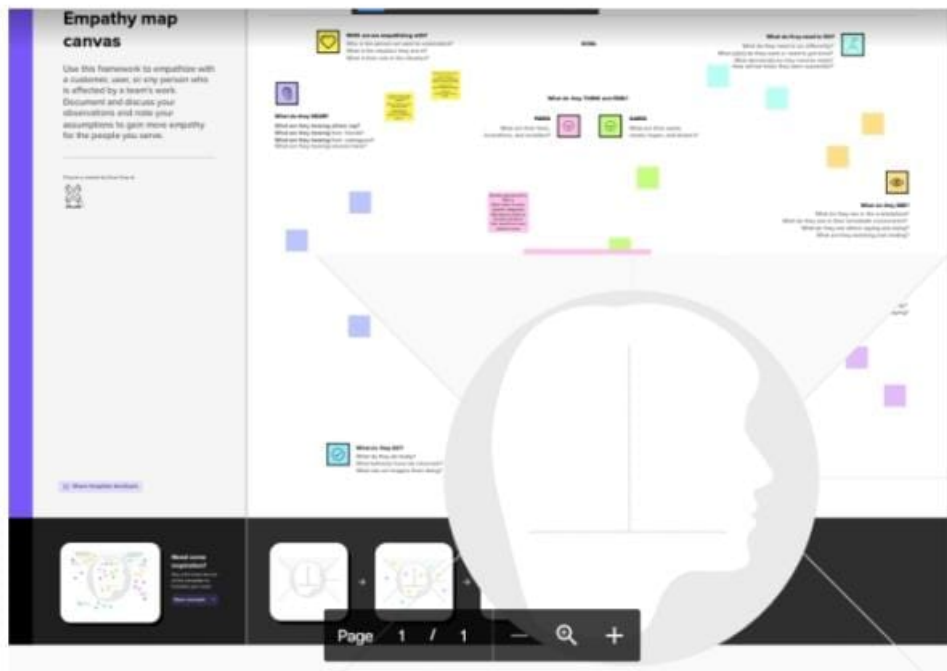
This app display a list of latest news with news title, image, and a short description. It allows to tap on a headline to read detailed news. The app provides provisions to update latest news with relevant images which could be uploaded. This is done using Jetpack Compose UI toolkit to build the UI and it uses the coil library to load images.

Purpose

The app helps to be in touch with the latest news from all relevant fields.

Problem Definition and thinking

2.1. Empathy Map



```

}
}
dependencyResolutionManagement{
    repositoriesMode.set(RepositoriesMode.FAIL_ON_PROJECT_REPOS)
    repositories {
        google()
        mavenCentral()
    }
}
rootProject.name = "news"
include ':app'

```

build.gradle(app)

```

plugins {
    id "com.android.application"
    id "kotlin-android"
    id "kotlin-kapt"
    id "com.google.gms.google-services"
    id "dagger.hilt.android.plugin"
    id "kotlin-parcelize"
}

android {
    compileSdk33

    defaultConfig{
        applicationId"com.devikumari.news"
        minSdk21
        targetSdk33
        versionCode1
        versionName"1.0"
    }

    testInstrumentationRunner"androidx.test.runner.AndroidJUnitRunner"
}

buildTypes{
    release {
        minifyEnabledfalse
        proguardFilesgetDefaultProguardFile('proguard-android-optimize.txt'),
        'proguard-rules.pro'
    }
}

compileOptions{
    sourceCompatibility JavaVersion.VERSION_11
    targetCompatibility JavaVersion.VERSION_11
}
kotlinOptions{
    jvmTarget = JavaVersion.VERSION_11
}
buildFeatures{
    compose true
}
composeOptions{
    kotlinCompilerExtensionVersioncompose_version
}

```

```

}
namespace 'com.devikumari.news'
}

dependencies {
    //Compose
    implementation platform("androidx.compose:compose-bom:$compose_bom_version")
        implementation "androidx.compose.material3:material3:$material_version"
    //Hilt
    implementation "com.google.dagger:hilt-android:$hilt_version"
    kapt"com.google.dagger:hilt-android-compiler:$hilt_version"
    //Hilt Navigation Compose
    implementation "androidx.hilt:hilt-navigation-
compose:$hilt_navigation_compose_version"
    //Firebase
    implementation platform("com.google.firebase:firebase-
bom:$firebase_bom_version")
    implementation"com.google.firebase:firebase-firestore-ktx"
    //ConstraintLayout
    implementation("androidx.constraintlayout:constraintlayout-
compose:$constraintlayout_version")
    //Image Loading
    implementation("io.coil-kt:coil-compose:$coil_version")
    //pager
    implementation("com.google.accompanist:accompanist-
pager:$accompanist_pager_version")
    //chips
    implementation("com.robertlevonyan.compose:materialchip:$materialchip_version")
    //navigation
    implementation("androidx.navigation:navigation-compose:$navigation_version")
}

```

</manifest>

build.gradle

```
buildscript{
    ext{
        gradle_version = '7.4.1'
        kotlin_version = '1.8.0'
        google_services_version = '4.3.14'
        compose_bom_version = '2023.01.00'
        material_version = '1.1.0-beta01'
        compose_version = '1.4.0'
        hilt_version = '2.45'
        hilt_navigation_compose_version = '1.0.0'
        firebase_bom_version = '31.2.3'
        constraintlayout_version = '1.0.1'
        coil_version = '2.2.2'
        accompanist_pager_version = '0.18.0'
        materialchip_version = '3.0.5'
        navigation_version = '2.6.0-alpha05'
    }
    dependencies {
        classpath"com.google.gms:google-services:$google_services_version"
        classpath"com.google.dagger:hilt-android-gradle-plugin:$hilt_version"
    }
}

plugins {
    id 'com.android.application' version "${gradle_version}" apply false
    id 'com.android.library' version "${gradle_version}" apply false
    id 'org.jetbrains.kotlin.android' version "${kotlin_version}" apply false
}

task clean(type: Delete) {
    delete rootProject.buildDir
}
```

#Wed Mar 22 22:44:54 IST 2023

```
distributionBase=GRADLE_USER_HOME
distributionUrl=https\://services.gradle.org/distributions/gradle-7.5-bin.zip
distributionPath=wrapper/dists
zipStorePath=wrapper/dists
zipStoreBase=GRADLE_USER_HOME
```

settings.gradle

```
pluginManagement{
    repositories {
        google()
        mavenCentral()
        gradlePluginPortal()
    }
}
```

The main drawbacks with the news app may be that it require data/wifi to get online and it does not provide the feel of reading it from a newspaper.

Conclusion

News and other informative articles published periodically are the contents of a newspaper. Online versions of newspaper are becoming a new trend that includes all the important headlines both national and international news as well as local news which are typical of general interest newspapers. The main headlines are inclusive of political events and personalities, business, **entertainment etc.**

Future Scope

The app could be modified to get notifications and also to provide better navigational ways.

Appendix

A. Source Code

AndroidManifest.xml

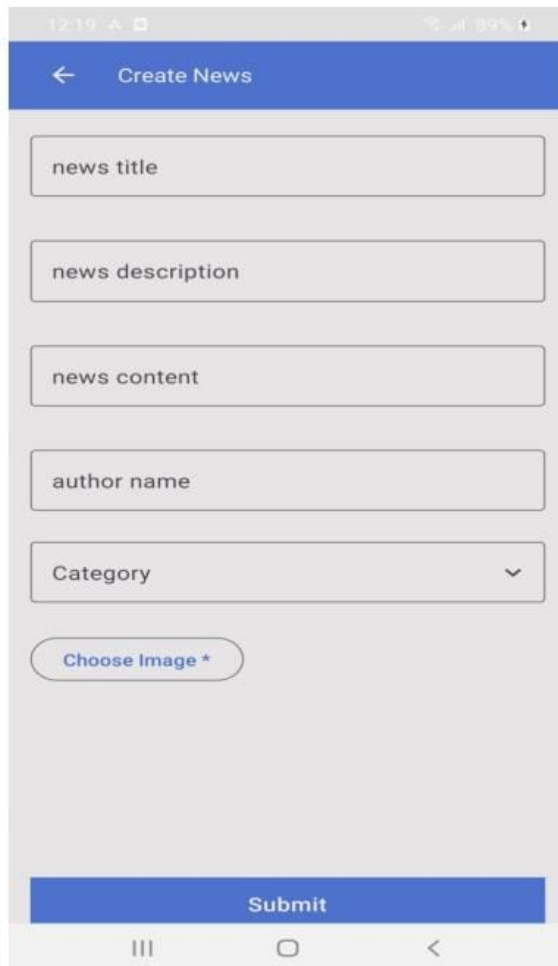
```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools">

    <uses-permission android:name="android.permission.INTERNET" />

    <application
        android:name="com.devikumari.news.base.NewsApp"
        android:allowBackup="false"
        android:icon="@mipmap/ic_launcher_foreground"
        android:roundIcon="@mipmap/ic_launcher_foreground"
        android:label="@string/app_name"
        android:supportRtl="true"
        android:theme="@style/Theme.News"
        android:usesCleartextTraffic="true"
        tools:targetApi="31" >
        <activity
            android:name="com.devikumari.news.base.MainActivity"
            android:exported="true" >
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />

                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
    </application>
```


Create



Splash



Advantages

A particular news can be displayed based on the user preferences by taking the priority. This app makes available news in one place and user need not have to search the news of his preference again and again.

Disadvantages

Choose




12:19 89%

Create News

news title

Pick relevant image


scroll to see more images..



Submit

Details

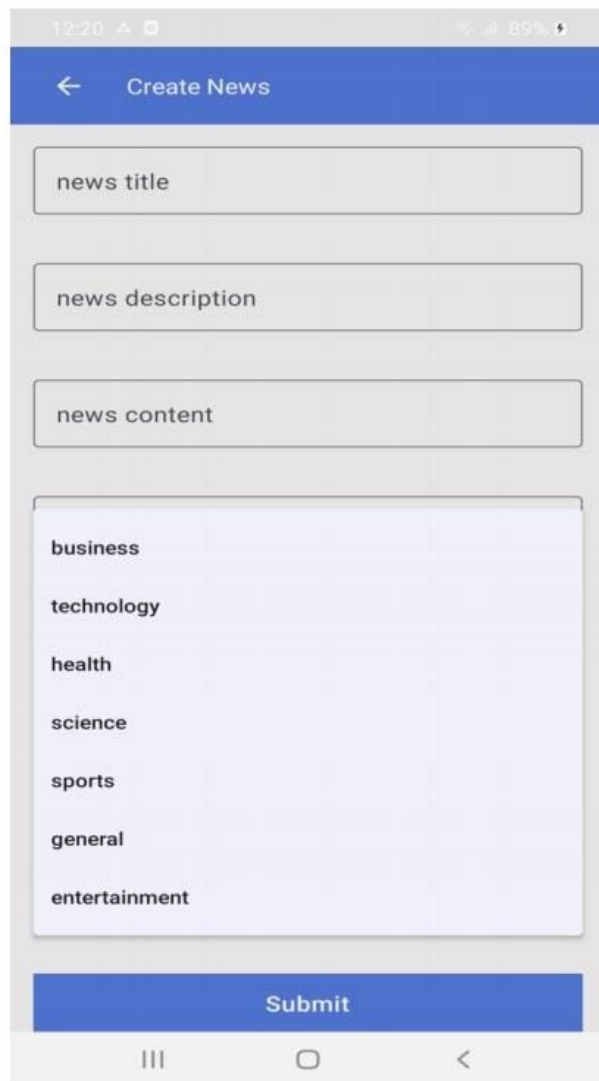
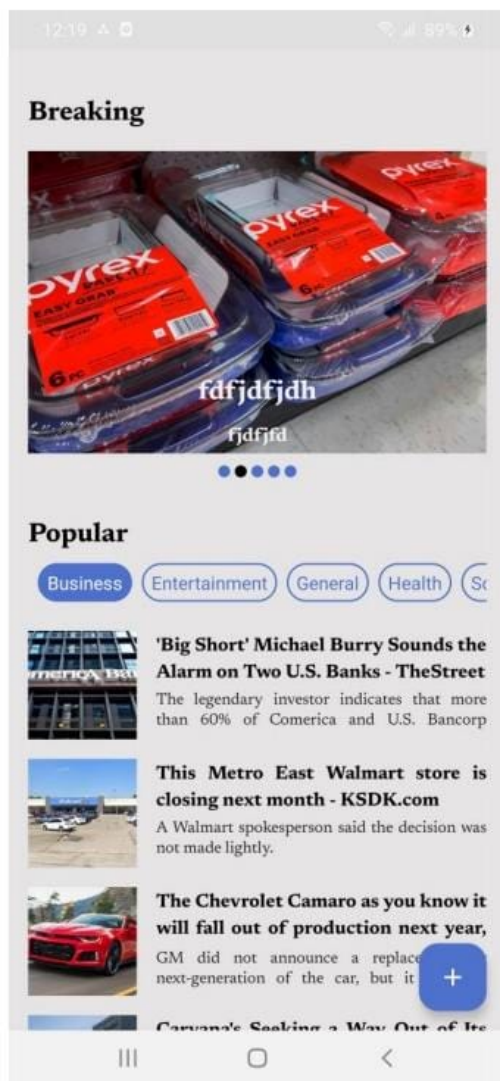
12:19 89%



'Big Short' Michael Burry Sounds the Alarm on Two U.S. Banks - TheStreet

The past 24 hours were a bit calmer, but a crisis of confidence is still shaking the banks.p
Investors are trying to catch their breath as they await the Federal Reserve's monetary-policy decision. ... [+7294 chars]

Posted by:Luc Olinga
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Result

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Category

2.2. Ideation and Brainstorming Map

