

## Практика webView.

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activity\_main.xml:

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.coordinatorlayout.widget.CoordinatorLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:fitsSystemWindows="true"
    tools:context=".MainActivity">

    <com.google.android.material.appbar.AppBarLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:fitsSystemWindows="true">

        <com.google.android.material.appbar.MaterialToolbar
            android:id="@+id/toolbar"
            android:layout_width="match_parent"
            android:layout_height="?attr/actionBarSize"
            app:title="Web Browser" />

    </com.google.android.material.appbar.AppBarLayout>

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:orientation="vertical"
        app:layout_behavior="@string/appbar_scrolling_view_behavior">

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:orientation="horizontal"
            android:padding="16dp">

            <Button
                android:id="@+id/btnBack"
                android:layout_width="wrap_content"
                android:layout_height="40dp"
                android:text="←"
                android:minWidth="40dp"
                android:layout_marginEnd="8dp" />

            <EditText
                android:id="@+id/etUrl"
                android:layout_width="0dp"
                android:layout_height="40dp"
                android:layout_weight="1"
                android:hint="Введите URL"
                android:imeOptions="actionGo"
                android:inputType="textUri"
                android:maxLines="1"
                android:ellipsize="end"
                android:paddingStart="8dp"
                android:paddingEnd="8dp"
                android:background="@android:drawable/editbox_background" />

        </LinearLayout>

    </LinearLayout>

</androidx.coordinatorlayout.widget.CoordinatorLayout>
```

```

        <Button
            android:id="@+id/btnGo"
            android:layout_width="wrap_content"
            android:layout_height="40dp"
            android:layout_marginStart="8dp"
            android:text="Перейти"
            android:minWidth="80dp" />
    </LinearLayout>

    <WebView
        android:id="@+id/wwMain"
        android:layout_width="match_parent"
        android:layout_height="0dp"
        android:layout_weight="1" />

    <ProgressBar
        android:id="@+id/progressBar"
        style="?android:attr/progressBarStyleHorizontal"
        android:layout_width="match_parent"
        android:layout_height="4dp"
        android:visibility="gone" />

</LinearLayout>

</androidx.coordinatorlayout.widget.CoordinatorLayout>

```

MainActivity:

```

package com.aiden3630.myapplication

import android.os.Bundle
import android.view.View
import android.webkit.WebChromeClient
import android.webkit.WebViewClient
import android.widget.Button
import android.widget.EditText
import android.widget.ProgressBar
import android.webkit.WebView
import androidx.activity.OnBackPressedCallback
import androidx.appcompat.app.AppCompatActivity

class MainActivity : AppCompatActivity() {
    private lateinit var webView: WebView
    private lateinit var etUrl: EditText
    private lateinit var btnGo: Button
    private lateinit var btnBack: Button
    private lateinit var progressBar: ProgressBar
    private val homeUrl = "https://www.google.com"

    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)

        webView = findViewById(R.id.wwMain)
        etUrl = findViewById(R.id.etUrl)
        btnGo = findViewById(R.id.btnGo)
        btnBack = findViewById(R.id.btnBack)
        progressBar = findViewById(R.id.progressBar)

        setupWebView()
        setupButtons()
        setupBackPressedHandler()
    }
}

```

```

private fun setupWebView() {
    with(webView.settings) {
        javaScriptEnabled = true
        domStorageEnabled = true
    }

    webView.webViewClient = object : WebViewClient() {
        override fun shouldOverrideUrlLoading(view: WebView?, url:
String?): Boolean {
            url?.let {
                if (!it.startsWith("file://")) {
                    view?.loadUrl(it)
                    etUrl.setText(it)
                }
            }
            return true
        }
    }

    webView.webChromeClient = object : WebChromeClient() {
        override fun onProgressChanged(view: WebView?, newProgress: Int)
{
            super.onProgressChanged(view, newProgress)
            progressBar.apply {
                visibility = if (newProgress < 100) View.VISIBLE
                else View.GONE
                progress = newProgress
            }
        }
    }

    webView.loadUrl(homeUrl)
}

private fun setupButtons() {
    btnGo.setOnClickListener {
        var url = etUrl.text.toString().trim()
        if (url.isNotEmpty()) {
            if (!url.startsWith("http://") &&
!url.startsWith("https://")) {
                url = "https://$url"
            }
            webView.loadUrl(url)
        }
    }

    btnBack.setOnClickListener {
        if (webView.canGoBack()) {
            webView.goBack()
        }
    }
}

private fun setupBackPressedHandler() {
    val onBackPressedCallback = object : OnBackPressedCallback(true) {
        override fun handleOnBackPressed() {
            if (webView.canGoBack()) {
                webView.goBack()
            } else {
                isEnabled = false
                onBackPressedDispatcher.onBackPressed()
            }
        }
    }
}

```

```
}  
    onBackPressedDispatcher.addCallback(this, onBackPressedCallback)  
}  
}
```

23:29

16,6  
KB/c 4G+ 96%

Web Browser



Введите URL

Перейти



## Не удалось открыть веб-страницу

При загрузке веб-страницы  
<https://www.google.com/> произошла ошибка  
по следующим причинам:

net::ERR\_CACHE\_MISS