

//MainActivity.xml file

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:tools="http://schemas.android.com/tools"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:orientation="vertical"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:windowSoftInputMode="stateVisible|adjustResize"
    tools:context=".MainActivity"
    android:fitsSystemWindows="true"
    >

    <LinearLayout
        android:orientation="vertical"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        tools:ignore="MissingConstraints"
        android:fitsSystemWindows="true">

        <androidx.swiperefreshlayout.widget.SwipeRefreshLayout
            android:id="@+id/swipeRefreshLayout"
            android:layout_width="match_parent"
            android:layout_height="0dp"
            android:layout_weight="1.0">

            <include
                android:id="@+id/toolbar"
                layout="@layout/toolbar"
                android:elevation="5dp"
                />

        </androidx.swiperefreshlayout.widget.SwipeRefreshLayout>
        <LinearLayout
            android:layout_width="fill_parent"
            android:layout_height="0.0dip"
            android:layout_weight="9.4"
            android:orientation="horizontal">

            <WebView
                android:id="@+id/web_view"
                android:layout_width="fill_parent"
                android:layout_height="fill_parent" />

        </LinearLayout>
    </LinearLayout>

    <include layout="@layout/content_main" />
```

```
<com.google.android.material.floatingactionbutton.FloatingActionButt  
on
```

```
    app:layout_constraintBottom_toBottomOf="parent"  
    app:layout_constraintEnd_toEndOf="parent"  
    android:id="@+id/fab6"  
    android:clickable="true"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_marginBottom="510dp"  
    android:layout_gravity="bottom|end"  
    android:layout_marginRight="@dimen/fab_margin"  
    android:visibility="invisible"  
    app:elevation="6dp"  
    app:pressedTranslationZ="12dp"  
    android:src="@drawable/ic_baseline_star_border_24"  
    android:backgroundTint="@color/white"  
/>
```

```
<com.google.android.material.floatingactionbutton.FloatingActionButt  
on
```

```
    app:layout_constraintBottom_toBottomOf="parent"  
    app:layout_constraintEnd_toEndOf="parent"  
    android:id="@+id/fab5"  
    android:clickable="true"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_marginBottom="440dp"  
    android:layout_gravity="bottom|end"  
    android:layout_marginRight="@dimen/fab_margin"  
    android:visibility="invisible"  
    app:elevation="6dp"  
    app:pressedTranslationZ="12dp"  
    android:src="@drawable/ic_baseline_bookmark_24"  
    android:backgroundTint="@color/white"  
/>
```

```
<com.google.android.material.floatingactionbutton.FloatingActionButt  
on
```

```
    app:layout_constraintBottom_toBottomOf="parent"  
    app:layout_constraintEnd_toEndOf="parent"  
    android:id="@+id/fab7"  
    android:clickable="true"  
    android:layout_width="wrap_content"
```

```
        android:layout_height="wrap_content"
        android:layout_marginBottom="370dp"
        android:layout_gravity="bottom|end"
        android:layout_marginRight="@dimen/fab_margin"
        android:visibility="invisible"
        app:elevation="6dp"
        app:pressedTranslationZ="12dp"
        android:src="@drawable/ic_baseline_add_24"
        android:backgroundTint="@color/white"
    />
```

<com.google.android.material.floatingactionbutton.FloatingActionButton

```
on
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    android:id="@+id/fab1"
    android:clickable="true"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginBottom="300dp"
    android:layout_gravity="bottom|end"
    android:layout_marginRight="@dimen/fab_margin"
    android:visibility="invisible"
    app:elevation="6dp"
    app:pressedTranslationZ="12dp"
    android:src="@drawable/ic_baseline_voicemail_24"
    app:backgroundTint="@color/design_default_color_background"
    />
```

<com.google.android.material.floatingactionbutton.FloatingActionButton

```
on
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    android:id="@+id/fab2"
    android:clickable="true"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginBottom="230dp"
    android:layout_gravity="bottom|end"
    android:layout_marginRight="@dimen/fab_margin"
    android:visibility="invisible"
    app:elevation="6dp"
    app:pressedTranslationZ="12dp"
    android:src="@drawable/ic_baseline_refresh_24"
    android:backgroundTint="@color/white"
```

/>

```
<com.google.android.material.floatingactionbutton.FloatingActionButt
on
```

```
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    android:id="@+id/fab4"
    android:clickable="true"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginBottom="160dp"
    android:layout_gravity="bottom|end"
    android:layout_marginRight="@dimen/fab_margin"
    android:visibility="invisible"
    android:backgroundTint="@color/white"
```

```
    android:outlineAmbientShadowColor="@android:color/holo_orange_dark"
    app:elevation="6dp"
    app:pressedTranslationZ="12dp"
    android:src="@drawable/ic_baseline_arrow_back_ios_24"
    tools:targetApi="p" />
```

```
<com.google.android.material.floatingactionbutton.FloatingActionButt
on
```

```
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    android:id="@+id/fab3"
    android:clickable="true"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginBottom="90dp"
    android:layout_gravity="bottom|end"
    android:layout_marginRight="@dimen/fab_margin"
    android:visibility="invisible"
    app:elevation="6dp"
    app:pressedTranslationZ="12dp"
    android:src="@drawable/ic_baseline_arrow_forward_ios_24"
    android:backgroundTint="@color/white"
/>
```

```
<com.google.android.material.floatingactionbutton.FloatingActionButt
on
```

```
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    android:id="@+id/fab"
    android:clickable="true"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
```

```
        android:layout_gravity="bottom|end"
        android:src="@drawable/ic_baseline_menu_book_24"
        android:backgroundTint="@color/white"
        app:elevation="6dp"
        android:layout_marginRight="@dimen/fab_margin"
        app:pressedTranslationZ="12dp"
        tools:layout_editor_absoluteX="16dp"
        tools:layout_editor_absoluteY="16dp"
        android:layout_marginBottom="16dp"/>
```

```
</androidx.constraintlayout.widget.ConstraintLayout>
```

```
//MainActivity.java file
```

```
package com.nilesh.um_browser;
```

```
import android.content.Context;
import android.content.Intent;
import android.os.Bundle;
import android.util.Log;
import android.view.KeyEvent;
import android.view.Menu;
import android.view.MenuInflater;
import android.view.MenuItem;
import android.view.View;
import android.view.View.OnClickListener;
import android.view.Window;
import android.view.WindowManager;
import android.view.animation.Animation;
import android.view.animation.AnimationUtils;
import android.view.inputmethod.EditorInfo;
import android.view.inputmethod.InputMethodManager;
import android.webkit.WebView;
import android.webkit.WebViewClient;
import android.widget.EditText;
import android.widget.ImageButton;
import android.widget.SearchView;
import android.widget.TextView;
import android.widget.Toast;

import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;
import androidx.appcompat.app.AppCompatActivity;
import androidx.appcompat.app.AppCompatActivity;
import androidx.appcompat.widget.Toolbar;
import androidx.swiperefreshlayout.widget.SwipeRefreshLayout;

import
com.google.android.material.floatingactionbutton.FloatingActionButto
n;
```

```

import com.google.firebase.auth.FirebaseAuth;
import com.google.firebase.database.DatabaseReference;
import com.google.firebase.database.FirebaseDatabase;

public class MainActivity extends AppCompatActivity implements
OnClickListener {

    //Initialising variables
    private WebView browser;
    private EditText link;
    private ImageButton home, tab;
    private SwipeRefreshLayout swipeRefreshLayout;
    private String myCurrentUrl;
    private Boolean isFabOpen = false;
    private FloatingActionButton fab, fab1, fab2, fab3,
fab4,fab5,fab6,fab7;
    private Animation fab_open, fab_close, rotate_forward,
rotate_backward;
    private FirebaseAuth.AuthStateListener mAuthStateListener;
    private FirebaseDatabase db = FirebaseDatabase.getInstance();
    private DatabaseReference root =
db.getReference().child("History").push();
    private DatabaseReference broot =
db.getReference().child("Bookmarks").push();

    protected void onCreate(Bundle savedInstanceState) {

        //Themes

        if(AppCompatActivity.getDefaultNightMode()==AppCompatActivity.MODE_N
IGHT_YES){
            setTheme(R.style.Theme_Dark);
        } else {
            setTheme(R.style.Theme_Light);
        }

        super.onCreate(savedInstanceState);

        requestWindowFeature(Window.FEATURE_NO_TITLE); //will hide
the title

        //For hiding default android status bar

        getWindow().setFlags(WindowManager.LayoutParams.FLAG_FULLSCREEN,
WindowManager.LayoutParams.FLAG_FULLSCREEN);

        setContentView(R.layout.activity_main);

```

```

//Default starting page
Toast.makeText(this, "Welcome!", Toast.LENGTH_SHORT).show();
browser = findViewById(R.id.web_view);
browser.setWebViewClient(new myWebViewClient());
browser.loadUrl("https://www.google.com");
browser.getSettings().setJavaScriptEnabled(true);
closeKeyboard();

//Swipe Refreshing activity code
swipeRefreshLayout = findViewById(R.id.swipeRefreshLayout);
swipeRefreshLayout.setOnRefreshListener(() ->
browser.reload());

//Toolbar
Toolbar toolbar = findViewById(R.id.toolbar);
setSupportActionBar(toolbar);
getSupportActionBar().setTitle(null);

//Home Button code
home = findViewById(R.id.home_btn);
home.setOnClickListener(v ->
browser.loadUrl("https://www.google.com"));

link = findViewById(R.id.url_txt);
link.setOnKeyListener(new View.OnKeyListener(){

    @Override
    public boolean onKey(View v, int keyCode, KeyEvent
event) {

        if(event.getAction() == KeyEvent.ACTION_DOWN &&
keyCode == KeyEvent.KEYCODE_ENTER){
            String url = ("https://" +
link.getText().toString());
browser.getSettings().setLoadsImagesAutomatically(true);
            browser.loadUrl(url);
            closeKeyboard();

            return true;
        }

        return false;
    }
});

```

```

//Going back when pressed android default back button
browser.setOnKeyListener((v, keyCode, event) -> {
    if (event.getAction() == KeyEvent.ACTION_DOWN) {
        WebView webView = (WebView) v;
        switch (keyCode) {
            case KeyEvent.KEYCODE_BACK:
                if (webView.canGoBack()) {
                    webView.goBack();
                    return true;
                }
                break;
        }
    }
    return false;
});

//FAB button
fab = findViewById(R.id.fab);
fab1 = findViewById(R.id.fab1);
fab2 = findViewById(R.id.fab2);
fab3 = findViewById(R.id.fab3);
fab4 = findViewById(R.id.fab4);
fab5 = findViewById(R.id.fab5);
fab6 = findViewById(R.id.fab6);
fab7 = findViewById(R.id.fab7);
fab_open =
AnimationUtils.loadAnimation(getApplicationContext(),
R.anim.fab_open);
fab_close =
AnimationUtils.loadAnimation(getApplicationContext(),
R.anim.fab_close);
rotate_forward =
AnimationUtils.loadAnimation(getApplicationContext(),
R.anim.rotate_forward);
rotate_backward =
AnimationUtils.loadAnimation(getApplicationContext(),
R.anim.rotate_backward);
fab.setOnClickListener(this);
fab1.setOnClickListener(this);
fab2.setOnClickListener(this);
fab3.setOnClickListener(this);
fab4.setOnClickListener(this);
fab5.setOnClickListener(this);
fab6.setOnClickListener(this);
fab7.setOnClickListener(this);
}

```



```

//menu option
@Override
public boolean onCreateOptionsMenu(Menu menu) {
    MenuInflater inflater = getMenuInflater();
    inflater.inflate(R.menu.menu, menu);
    return true;
}

@Override
public boolean onOptionsItemSelected(@NonNull MenuItem item) {
    switch (item.getItemId()) {
        case R.id.info:
            Toast.makeText(this, "Info selected!",
Toast.LENGTH_SHORT).show();
            Intent in = new Intent(MainActivity.this,
information.class);
            startActivity(in);
            return true;

        case R.id.settings:
            Toast.makeText(this, "Settings!",
Toast.LENGTH_SHORT).show();
            Intent s = new Intent(MainActivity.this,
settings.class);
            startActivity(s);
            return true;

        case R.id.history:
            Toast.makeText(this, "History!",
Toast.LENGTH_SHORT).show();
            Intent h = new Intent(MainActivity.this,
History.class);
            startActivity(h);
            return true;

        case R.id.bookmark:
            Toast.makeText(this, "Bookmarks!",
Toast.LENGTH_SHORT).show();
            Intent b = new Intent(MainActivity.this,
Bookmark.class);
            startActivity(b);
            return true;

        case R.id.LogOut:
            Toast.makeText(this, "Logging Out!",
Toast.LENGTH_SHORT).show();
            finish();
            FirebaseAuth.getInstance().signOut();
            Intent k = new Intent(MainActivity.this,

```

```

Login.class));
        startActivity(k);

        case R.id.exit:
            Toast.makeText(this, "Exiting!",
Toast.LENGTH_SHORT).show();
            finish();
        default:
            return super.onOptionsItemSelected(item);

    }

}

//FAB button actions
@Override
public void onClick(View v) {
    int id = v.getId();
    switch (id) {
        case R.id.fab:
            animateFAB();
            break;

        case R.id.fab1:
            openPrivateWindow();
            animateFAB();
            Log.d("Nilesh", "Fab 1");
            break;

        case R.id.fab2:
            browser.reload();
            animateFAB();
            Log.d("Nilesh", "Fab 2");
            break;

        case R.id.fab3:
            if (browser.canGoForward()) {
                browser.goForward();
            } else {
                Toast.makeText(this, "Can't go further!",
Toast.LENGTH_SHORT).show();
            }
            animateFAB();
            Log.d("Nilesh", "Fab 3");
            break;

        case R.id.fab4:
            if (browser.canGoBack()) {
                browser.goBack();
            }
    }
}

```

```

        }
        else {
            finish();
        }
        // browser.canGoBack();
        animateFAB();
        Log.d("Nilesh", "Fab 4");
        break;

    case R.id.fab5:
        animateFAB();
        broot.setValue(myCurrentUrl);
        break;

    case R.id.fab6:
        animateFAB();
        Intent a = new
Intent(MainActivity.this,AppIntegrations.class);
        startActivity(a);
        break;

    case R.id.fab7:
        animateFAB();
        Intent ad = new Intent(getApplicationContext(),
MainActivity.class);
        startActivity(ad);
        break;
    }
}

//Private window
private void openPrivateWindow() {
    Intent p = new Intent(this, privateWindow.class);
    startActivity(p);
}

//FAB opening and closing
public void animateFAB() {
    if (isFabOpen) {
        fab.startAnimation(rotate_backward);
        fab1.startAnimation(fab_close);
        fab2.startAnimation(fab_close);
        fab3.startAnimation(fab_close);
        fab4.startAnimation(fab_close);
        fab5.startAnimation(fab_close);
        fab6.startAnimation(fab_close);
        fab7.startAnimation(fab_close);
    }
}

```

```

        fab1.setClickable(false);
        fab2.setClickable(false);
        fab3.setClickable(false);
        fab4.setClickable(false);
        fab5.setClickable(false);
        fab6.setClickable(false);
        fab7.setClickable(false);
        isFabOpen = false;
        Log.d("Nilesh", "close");
    }
    else {
        fab.startAnimation(rotate_forward);
        fab1.startAnimation(fab_open);
        fab2.startAnimation(fab_open);
        fab3.startAnimation(fab_open);
        fab4.startAnimation(fab_open);
        fab5.startAnimation(fab_open);
        fab6.startAnimation(fab_open);
        fab7.startAnimation(fab_open);
        fab1.setClickable(true);
        fab2.setClickable(true);
        fab3.setClickable(true);
        fab4.setClickable(true);
        fab5.setClickable(true);
        fab6.setClickable(true);
        fab7.setClickable(true);
        isFabOpen = true;
        Log.d("Nilesh", "open");
    }
}

```

```

//For displaying webPage
public class myWebViewClient extends WebViewClient {
    @Override
    public void onPageFinished(WebView view, String url) {
        swipeRefreshLayout.setRefreshing(false);
        super.onPageFinished(view, url);
        myCurrentUrl = url;
        link.setText(myCurrentUrl);
        root.setValue(myCurrentUrl);
        closeKeyboard();
    }

    @Override
    public boolean shouldOverrideUrlLoading(WebView view, String
url) {
        view.loadUrl(url);
    }
}

```

```

        closeKeyboard();
        return true;
    }
}

//Code for closing softKeyboard
private void closeKeyboard() {
    View view = this.getCurrentFocus();
    if (view != null) {
        InputMethodManager imm = (InputMethodManager)
getSystemService(Context.INPUT_METHOD_SERVICE);
        imm.hideSoftInputFromWindow(view.getWindowToken(), 0);
    }
}
}
}

```

//Toolbar.xml file

```

<?xml version="1.0" encoding="utf-8"?>
<androidx.appcompat.widget.Toolbar
xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
xmlns:app="http://schemas.android.com/apk/res-auto"
    app:menu="@menu/menu"
    android:fitsSystemWindows="true"
>

    <LinearLayout
        android:layout_width="300dp"
        android:layout_height="50dp"
        android:weightSum="10"
        >

        <ImageButton
            android:background="@drawable/edittext_rounded_corners"
            android:layout_weight="2"
            android:id="@+id/home_btn"
            android:layout_width="wrap_content"
            android:layout_height="match_parent"
            android:src="@drawable/ic_baseline_home_24" />

        <EditText

```



```

        android:layout_weight="1.0">
        <ImageButton
            android:id="@+id/home_btn"
            android:layout_width="wrap_content"
            android:layout_height="match_parent"

android:background="@drawable/edittext_rounded_corners"
            android:contentDescription="TODO"
            android:src="@drawable/ic_baseline_home_24"
        />

        <ImageButton
            android:id="@+id/new_tab"
            android:layout_width="wrap_content"
            android:layout_height="match_parent"

android:background="@drawable/edittext_rounded_corners"
            android:src="@drawable/ic_baseline_add_24"
        />

        <EditText

android:background="@drawable/edittext_rounded_corners"
            android:id="@+id/url_txt"
            android:layout_width="300dp"
            android:layout_height="match_parent"
            android:hint="Enter Url"
            android:imeOptions="actionSend"
            android:inputType="text"

android:shadowColor="@android:color/holo_orange_light" />
        </LinearLayout>
    </LinearLayout>
</androidx.swiperefreshlayout.widget.SwipeRefreshLayout>
<LinearLayout
    android:layout_width="fill_parent"
    android:layout_height="0.0dip"
    android:layout_weight="9.4"
    android:orientation="horizontal">
    <WebView
        android:id="@+id/web_view"
        android:layout_width="fill_parent"
        android:layout_height="fill_parent">
    </WebView>
</LinearLayout>
</LinearLayout>
<include layout="@layout/content_main" />

<com.google.android.material.floatingactionbutton.FloatingActionButt
on
    app:layout_constraintBottom_toBottomOf="parent"

```

```

app:layout_constraintEnd_toEndOf="parent"
android:id="@+id/fab3"
android:clickable="true"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginBottom="300dp"
android:layout_gravity="bottom|end"
android:layout_marginRight="@dimen/fab_margin"
android:visibility="invisible"
app:backgroundTint="@android:color/white"
app:elevation="6dp"
app:pressedTranslationZ="12dp"
android:src="@drawable/ic_baseline_fast_rewind_24"
tools:ignore="MissingConstraints" />

```

<com.google.android.material.floatingactionbutton.FloatingActionButton

```

on
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    android:id="@+id/fab2"
    android:clickable="true"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginBottom="230dp"
    android:layout_gravity="bottom|end"
    android:layout_marginRight="@dimen/fab_margin"
    android:visibility="invisible"
    app:backgroundTint="@android:color/white"
app:elevation="6dp"
    app:pressedTranslationZ="12dp"
    android:src="@drawable/ic_baseline_arrow_back_ios_24"
    tools:ignore="MissingConstraints" />

```

<com.google.android.material.floatingactionbutton.FloatingActionButton

```

on
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    android:id="@+id/fab1"
    android:clickable="true"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginBottom="160dp"
    android:layout_gravity="bottom|end"
    android:layout_marginRight="@dimen/fab_margin"
    android:visibility="invisible"
    app:elevation="6dp"
    app:backgroundTint="@android:color/white"
    app:pressedTranslationZ="12dp"
    android:src="@drawable/ic_baseline_arrow_forward_ios_24"

```



```

        tools:ignore="MissingConstraints" />

<com.google.android.material.floatingactionbutton.FloatingActionButt
on
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    android:id="@+id/fab4"
    android:clickable="true"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginBottom="90dp"
    android:layout_gravity="bottom|end"
    android:layout_marginRight="@dimen/fab_margin"
    android:visibility="invisible"
    app:backgroundTint="@android:color/white"
    app:elevation="6dp"
    app:pressedTranslationZ="12dp"
    android:src="@drawable/ic_baseline_refresh_24"
    tools:ignore="MissingConstraints" />

<com.google.android.material.floatingactionbutton.FloatingActionButt
on
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    android:id="@+id/fab"
    android:clickable="true"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="bottom|end"
    android:src="@drawable/ic_baseline_format_strikethrough_24"
    app:backgroundTint="@android:color/white"
    app:elevation="6dp"
    android:layout_marginRight="@dimen/fab_margin"
    app:pressedTranslationZ="12dp"
    tools:ignore="MissingConstraints"
    tools:layout_editor_absoluteX="0dp"
    tools:layout_editor_absoluteY="16dp"
    android:layout_marginBottom="16dp"/>
</androidx.constraintlayout.widget.ConstraintLayout>

```

//privateWindow.java file

```

package com.nilesh.um_browser;

import android.content.Context;
import android.content.Intent;

```

```

import android.os.Bundle;
import android.util.Log;
import android.view.KeyEvent;
import android.view.View;
import android.view.WindowManager;
import android.view.animation.Animation;
import android.view.animation.AnimationUtils;
import android.view.inputmethod.InputMethodManager;
import android.webkit.WebView;
import android.webkit.WebViewClient;
import android.widget.EditText;
import android.widget.ImageButton;
import android.widget.Toast;
import androidx.appcompat.app.AppCompatActivity;
import androidx.appcompat.widget.Toolbar;
import androidx.swiperefreshlayout.widget.SwipeRefreshLayout;
import
com.google.android.material.floatingactionbutton.FloatingActionButto
n;

public class privateWindow extends AppCompatActivity implements
View.OnClickListener {

    //Initialising variables
    private WebView browser;
    private EditText link;
    private ImageButton home, tab;
    private SwipeRefreshLayout swipeRefreshLayout;
    private String myCurrentUrl;
    private Toolbar toolbar;
    private Boolean isFabOpen = false;
    private FloatingActionButton fab,fab1,fab2,fab3,fab4;
    private Animation
fab_open,fab_close,rotate_forward,rotate_backward;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);

        //For hiding default android status bar

getWindow().setFlags(WindowManager.LayoutParams.FLAG_FULLSCREEN,
WindowManager.LayoutParams.FLAG_FULLSCREEN);
        setContentView(R.layout.activity_private_window);

        //Opening starting default page
        closeKeyboard();
        browser = (WebView) findViewById(R.id.web_view);
        browser.setWebViewClient(new MyWebViewClient());

```

```

browser.loadUrl("https://www.duckduckgo.com");
closeKeyboard();

//Swipe Refreshing activity code
swipeRefreshLayout = (SwipeRefreshLayout)
findViewById(R.id.swipeRefreshLayout);
swipeRefreshLayout.setOnRefreshListener(() ->
browser.reload());

//Home Button code
home = (ImageButton) findViewById(R.id.home_btn);
home.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        browser.loadUrl("https://www.google.com");
    }
});

//New tab opening code
tab = (ImageButton) findViewById(R.id.new_tab);
tab.setOnClickListener(v -> {
    Intent i = new Intent(getApplicationContext(),
        MainActivity.class);
    startActivity(i);
});

//This code is for entering url and directly searching when
pressed enter on softkeyboard url
link = (EditText) findViewById(R.id.url_txt);
link.setOnKeyListener((v, keyCode, event) -> {
    if (event.getAction() == KeyEvent.ACTION_DOWN && keyCode
==
        KeyEvent.KEYCODE_ENTER) {
        String url = ("https://" +
link.getText().toString());
browser.getSettings().setLoadsImagesAutomatically(true);
browser.getSettings().setJavaScriptEnabled(true);
browser.loadUrl(url);
closeKeyboard();
return true;
    }
    return false; });

//This code is for going back when pressed android default
back button
browser.setOnKeyListener(new View.OnKeyListener() {
    @Override
    public boolean onKey(View v, int keyCode, KeyEvent

```

```

event) {
    if (event.getAction() == KeyEvent.ACTION_DOWN) {
        WebView webView = (WebView) v;
        switch (keyCode) {
            case KeyEvent.KEYCODE_BACK:
                if (webView.canGoBack()) {
                    webView.goBack();
                    return true;
                }
                break;
        }
    }
    return false;
});

//FAB button
fab = (FloatingActionButton)findViewById(R.id.fab);
fab1 = (FloatingActionButton)findViewById(R.id.fab1);
fab2 = (FloatingActionButton)findViewById(R.id.fab2);
fab3 = (FloatingActionButton)findViewById(R.id.fab3);
fab4 = (FloatingActionButton)findViewById(R.id.fab4);
fab_open =
AnimationUtils.LoadAnimation(getApplicationContext(),
R.anim.fab_open);
fab_close =
AnimationUtils.LoadAnimation(getApplicationContext(),R.anim.fab_close);
rotate_forward =
AnimationUtils.LoadAnimation(getApplicationContext(),R.anim.rotate_forward);
rotate_backward =
AnimationUtils.LoadAnimation(getApplicationContext(),R.anim.rotate_backward);
fab.setOnClickListener(this);
fab1.setOnClickListener(this);
fab2.setOnClickListener(this);
fab3.setOnClickListener(this);
fab4.setOnClickListener(this);
}
@Override
public void onClick(View v) {
    int id = v.getId();
    switch (id){
        case R.id.fab:
            animateFAB();
            break; case R.id.fab4:
            browser.reload();
            animateFAB();

```

```

        Log.d("Nilesh", "Fab 4");
        break;
    case R.id.fab1:
        if(browser.canGoForward()){
            browser.goForward();
        }
        else
        {
            Toast.makeText(this, "Can't go
further!", Toast.LENGTH_SHORT).show();
        }
        Log.d("Nilesh", "Fab 1");
        animateFAB();
        break;
    case R.id.fab2:
        if (browser.canGoBack()){
            browser.goBack();
        }
        else
        {
            finish();
        }
        animateFAB();
        Log.d("Nilesh", "Fab 2");
        break;
    case R.id.fab3:
        Log.d("Nilesh", "Fab 3");
        openNormalWindow();
        animateFAB();
        break;
    }
}
private void openNormalWindow() {
    finish();
}
public void animateFAB(){
    if(isFabOpen){
        fab.startAnimation(rotate_backward);
        fab1.startAnimation(fab_close);
        fab2.startAnimation(fab_close);
        fab3.startAnimation(fab_close);
        fab4.startAnimation(fab_close);
        fab1.setClickable(false);
        fab2.setClickable(false);
        fab3.setClickable(false);
        fab4.setClickable(false); isFabOpen = false;
        Log.d("Nilesh", "close");
    } else {
        fab.startAnimation(rotate_forward);
    }
}

```

```

        fab1.startAnimation(fab_open);
        fab2.startAnimation(fab_open);
        fab3.startAnimation(fab_open);
        fab4.startAnimation(fab_open);
        fab1.setClickable(true);
        fab2.setClickable(true);
        fab3.setClickable(true);
        fab4.setClickable(true);
        isFabOpen = true;
        Log.d("Nilesh", "open");
    }
}

//For displaying webPage
private class MyWebViewClient extends WebViewClient {
    @Override
    public void onPageFinished(WebView view, String url) {
        swipeRefreshLayout.setRefreshing(false);
        super.onPageFinished(view, url);
        myCurrentUrl = url;
        link.setText(myCurrentUrl);
    }
    @Override
    public boolean shouldOverrideUrlLoading(WebView view, String
url) {
        view.loadUrl(url);
        return true;
    }
}

//Code for closing softKeyboard
private void closeKeyboard() {
    View view=this.getCurrentFocus();
    if (view!=null){
        InputMethodManager
imm=(InputMethodManager)getSystemService(Context.INPUT_METHOD_SERVIC
E);
        imm.hideSoftInputFromWindow(view.getWindowToken(),0);
    }
}
}

```

```
//menu.xml file
```

```
<?xml version="1.0" encoding="utf-8"?>
<menu xmlns:app="http://schemas.android.com/apk/res-auto"
      xmlns:android="http://schemas.android.com/apk/res/android"
      xmlns:tools="http://schemas.android.com/tools"
      tools:context="com.nilesh.um_browser.MainActivity">

    <item
        android:id="@+id/Info"
        android:title="Info"
        app:showAsAction="collapseActionView" />

    <item
        android:id="@+id/settings"
        android:title="Settings"/>

    <item
        android:id="@+id/history"
        android:title="History"/>

    <item
        android:id="@+id/bookmark"
        android:title="Bookmark"/>

    <item
        android:id="@+id/logOut"
        android:title="LogOut"/>

    <item
        android:id="@+id/exit"
        android:title="Exit"/>

</menu>
```

//activity_settings.xml file

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    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"
        tools:context=".settings"
    >

    <TextView
        android:id="@+id/textView7"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="32dp"
        android:layout_marginLeft="32dp"
        android:layout_marginTop="110dp"
        android:text="Theme"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <Button
        android:id="@+id/light"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="32dp"
        android:layout_marginLeft="32dp"
        android:layout_marginTop="100dp"
        android:text="LIGHT_MODE"
        app:layout_constraintStart_toEndOf="@+id/textView7"
        app:layout_constraintTop_toTopOf="parent" />

    <Button
        android:id="@+id/night"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="32dp"
        android:layout_marginLeft="32dp"
        android:layout_marginTop="100dp"
        android:text="DARK_MODE"
        app:layout_constraintStart_toEndOf="@+id/light"
        app:layout_constraintTop_toTopOf="parent" />

</androidx.constraintlayout.widget.ConstraintLayout>

```

//settings.java file

```

package com.nilesh.um_browser;
import android.content.SharedPreferences;
import android.os.Bundle;

```



```

import android.view.View;
import android.widget.Button;
import android.widget.CompoundButton;
import android.widget.Switch;
import androidx.appcompat.app.AppCompatActivity;
import androidx.appcompat.app.AppCompatActivity;
import androidx.appcompat.widget.SwitchCompat;
import androidx.core.app.ActivityCompat;

import com.google.android.material.button.MaterialButtonToggleGroup;

public class settings extends AppCompatActivity {

    Button night,light;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_settings);

        night = findViewById(R.id.night);
        light = findViewById(R.id.light);

        night.setOnClickListener(new View.OnClickListener() {
            public void onClick(View v) {
                // Do something in response to button click
                finish();
            }
        });

        light.setOnClickListener(new View.OnClickListener() {
            public void onClick(View v) {
                // Do something in response to button click
                finish();
            }
        });

        AppCompatActivity.setDefaultNightMode(AppCompatActivity.MODE_NIGHT_N
    );

    }
}

```

//activity_login.xml file

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
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:id="@+id/container"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:paddingLeft="@dimen/activity_horizontal_margin"
    android:paddingTop="@dimen/activity_vertical_margin"
    android:paddingRight="@dimen/activity_horizontal_margin"
    android:paddingBottom="@dimen/activity_vertical_margin"

>

    <TextView
        android:id="@+id/textView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="40dp"
        android:fontFamily="@font/acronica"
        android:shadowColor="@color/gray_1"

        android:text="UM Browser"
        android:textAllCaps="true"
        android:textColor="#000000"
        android:textSize="24sp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.498"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <EditText
        android:background="@drawable/edittext_rounded_corners"
        android:id="@+id/username"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:layout_marginTop="32dp"
        android:hint="@string/prompt_email"
        android:inputType="textEmailAddress"
        android:selectAllOnFocus="true"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.0"
        app:layout_constraintStart_toStartOf="parent"
```

```

        app:layout_constraintTop_toBottomOf="@+id/imageView" />

<EditText
    android:background="@drawable/edittext_rounded_corners"
    android:id="@+id/password1"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginTop="8dp"
    android:hint="@string/prompt_password"
    android:imeActionLabel="@string/action_sign_in_short"
    android:imeOptions="actionDone"
    android:inputType="textPassword"
    android:selectAllOnFocus="true"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/username" />

<Button
    android:id="@+id/login"
    android:layout_width="wrap_content"
    android:layout_height="48dp"
    android:layout_gravity="start"
    android:layout_marginTop="24dp"
    android:background="@drawable/edittext_rounded_corners"
    android:text="LogIn"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/password1" />

<TextView
    android:id="@+id/rRegister"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="16dp"
    android:text="Not Registered? Register Here!"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/login" />

<ProgressBar
    android:id="@+id/loading"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="center"
    android:layout_marginStart="32dp"
    android:layout_marginTop="64dp"
    android:layout_marginEnd="32dp"
    android:layout_marginBottom="64dp"
    android:visibility="gone"
    app:layout_constraintBottom_toBottomOf="parent"

```

```

        app:layout_constraintEnd_toEndOf="@+id/password"
        app:layout_constraintStart_toStartOf="@+id/password"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.3" />

<ImageView
    android:id="@+id/imageView"
    android:layout_width="158dp"
    android:layout_height="145dp"
    android:layout_marginTop="24dp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.497"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView"
    app:srcCompat="@drawable/logo" />

</androidx.constraintlayout.widget.ConstraintLayout>

```

//Login.java file

```

package com.nilesh.um_browser;

import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.view.WindowManager;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import android.widget.Toast;

import com.google.android.gms.tasks.OnCompleteListener;
import com.google.android.gms.tasks.Task;
import com.google.firebase.auth.AuthResult;
import com.google.firebase.auth.FirebaseAuth;
import com.google.firebase.auth.FirebaseUser;

public class Login extends AppCompatActivity {

    EditText userName,Password;
    Button btnLogin;
    TextView tvRegister;
    FirebaseAuth mFirebaseAuth;

```

```

private FirebaseAuth.AuthStateListener mAuthStateListener;

@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_login);

    //For hiding default android status bar

getWindow().setFlags(WindowManager.LayoutParams.FLAG_FULLSCREEN,
WindowManager.LayoutParams.FLAG_FULLSCREEN);

    mFirebaseAuth = FirebaseAuth.getInstance();
    userName = findViewById(R.id.username);
    Password = findViewById(R.id.password1);
    btnLogin = findViewById(R.id.login);
    tvRegister = findViewById(R.id.rRegister);

    mAuthStateListener = firebaseAuth -> {

        FirebaseUser mFirebaseUser =
mFirebaseAuth.getCurrentUser();
        if(mFirebaseUser != null){
            Toast.makeText(Login.this, "You are
LoggedIn!", Toast.LENGTH_SHORT).show();
            Intent i = new
Intent(Login.this, MainActivity.class);
            startActivity(i);
        }
        else
        {
            Toast.makeText(Login.this, "Please
LogIn!", Toast.LENGTH_SHORT).show();
        }

    };

    btnLogin.setOnClickListener(v -> {
        String email = userName.getText().toString();
        String pwd = Password.getText().toString();

        if(email.isEmpty()){
            userName.setError("Please provide EmailID!");
            userName.requestFocus();
        }
        else if(pwd.isEmpty()) {

```

```

        Password.setError("Please provide Password!");
        Password.requestFocus();
    }

    else if(!(email.isEmpty() && pwd.isEmpty())){
        mFirebaseAuth.signInWithEmailAndPassword(email,
pwd).addOnCompleteListener(Login.this, new
OnCompleteListener<AuthResult>() {
            @Override
            public void onComplete(@NonNull Task<AuthResult>
task) {
                if(!task.isSuccessful()){
                    Toast.makeText(Login.this,"Login Error,
Please Login Again!",Toast.LENGTH_SHORT);
                }
                else{
                    finish();
                    Intent m = new
Intent(Login.this,MainActivity.class);
                    startActivity(m);
                }
            }
        });
    }
    else {
        Toast.makeText(Login.this,"Error
Occurred!",Toast.LENGTH_SHORT).show();
    }

});

tvRegister.setOnClickListener(v -> {
    finish();
    Intent r = new Intent(Login.this,Register.class);
    startActivity(r);
});

}

@Override
protected void onStart() {
    super.onStart();
    mFirebaseAuth.addAuthStateListener(mAuthStateListener);
}
}

```

//activity_register.xml file

```

<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
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"

    tools:context=".Register">

    <TextView
        android:id="@+id/textView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="24dp"
        android:fontFamily="@font/acronica"
        android:shadowColor="@color/gray_1"
        android:text="UM Browser"
        android:textAllCaps="true"
        android:textColor="#000000"
        android:textSize="24sp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.498"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <TextView
        android:id="@+id/textView2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="16dp"
        android:text="Create New Account"
        android:textColor="#0E0E0E"
        android:textSize="18sp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textView" />

    <EditText
        android:background="@drawable/edittext_rounded_corners"
        android:id="@+id/fullName"
        android:layout_width="328dp"
        android:layout_height="63dp"
        android:layout_marginTop="24dp"
        android:ems="10"
        android:hint="Full Name"
        android:inputType="textPersonName"
        android:padding="10dp"

```

```
app:layout_constraintEnd_toEndOf="parent"  
app:layout_constraintStart_toStartOf="parent"  
app:layout_constraintTop_toBottomOf="@+id/textView2" />
```

<EditText

```
android:background="@drawable/edittext_rounded_corners"  
android:id="@+id/email"  
android:layout_width="328dp"  
android:layout_height="63dp"  
android:layout_marginTop="16dp"  
android:ems="10"  
android:inputType="textEmailAddress"  
android:hint="Email Address"  
app:layout_constraintEnd_toEndOf="parent"  
app:layout_constraintHorizontal_bias="0.492"  
app:layout_constraintStart_toStartOf="parent"  
app:layout_constraintTop_toBottomOf="@+id/fullName" />
```

<EditText

```
android:background="@drawable/edittext_rounded_corners"  
android:id="@+id/password"  
android:layout_width="328dp"  
android:layout_height="63dp"  
android:layout_marginTop="16dp"  
android:ems="10"  
android:hint="Password"  
android:inputType="textWebPassword"  
app:layout_constraintEnd_toEndOf="parent"  
app:layout_constraintStart_toStartOf="parent"  
app:layout_constraintTop_toBottomOf="@+id/email" />
```

<EditText

```
android:background="@drawable/edittext_rounded_corners"  
android:id="@+id/confirmPassword"  
android:layout_width="328dp"  
android:layout_height="63dp"  
android:layout_marginTop="16dp"  
android:ems="10"  
android:hint="Confirm Password"  
android:inputType="textWebPassword"  
app:layout_constraintEnd_toEndOf="parent"  
app:layout_constraintStart_toStartOf="parent"  
app:layout_constraintTop_toBottomOf="@+id/password" />
```

<Button

```
android:background="@drawable/edittext_rounded_corners"  
android:id="@+id/registerBtn"  
android:layout_width="wrap_content"  
android:layout_height="wrap_content"
```



```

        android:layout_marginTop="16dp"
        android:text="Register"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/confirmPassword"
    />

    <TextView
        android:id="@+id/rLogin"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="16dp"
        android:text="Already Registered? Login Here!"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/registerBtn" />

</androidx.constraintlayout.widget.ConstraintLayout>

```

//Register.java file

```

package com.nilesh.um_browser;

import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.view.WindowManager;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import android.widget.Toast;

import com.google.android.gms.tasks.OnCompleteListener;
import com.google.android.gms.tasks.Task;
import com.google.firebase.auth.AuthResult;
import com.google.firebase.auth.FirebaseAuth;
import com.google.firebase.database.DatabaseReference;
import com.google.firebase.database.FirebaseDatabase;

public class Register extends AppCompatActivity {
    EditText emailId, password, cpassword, fullName;
    Button btnSignUp;
}

```

```

    TextView tvLogin;
    FirebaseAuth mFirebaseAuth;
    private FirebaseDatabase db = FirebaseDatabase.getInstance();
    private DatabaseReference root =
db.getReference().child("Users").push();

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_register);

        //For hiding default android status bar

getWindow().setFlags(WindowManager.LayoutParams.FLAG_FULLSCREEN,
WindowManager.LayoutParams.FLAG_FULLSCREEN);

        mFirebaseAuth = FirebaseAuth.getInstance();
        emailId = findViewById(R.id.email);
        password = findViewById(R.id.password);
        cpassword = findViewById(R.id.confirmPassword);
        fullName = findViewById(R.id.fullName);
        tvLogin = findViewById(R.id.rLogin);

        btnSignUp = findViewById(R.id.registerBtn);
        btnSignUp.setOnClickListener(v -> {

            String email = emailId.getText().toString();
            root.child("Email").setValue(email);

            String pwd = password.getText().toString();
            root.child("Password").setValue(pwd);

            String cpwd = cpassword.getText().toString();

            String name = fullName.getText().toString();
            root.child("Name").setValue(name);

            if(email.isEmpty()){
                emailId.setError("Please provide EmailID!");
                emailId.requestFocus();
            }
            else if(pwd.isEmpty()) {
                password.setError("Please provide Password!");
                password.requestFocus();
            }
            else if(cpwd.isEmpty()) {
                cpassword.setError("Please Confirm Password!");
                cpassword.requestFocus();
            }
        });
    }

```

```

    }
    else if(name.isEmpty()) {
        fullName.setError("Please provide Full Name!");
        fullName.requestFocus();
    }
    else if(!(email.isEmpty() && pwd.isEmpty() &&
cpwd.isEmpty() && name.isEmpty())){
        mFirebaseAuth.createUserWithEmailAndPassword(email,
pwd).addOnCompleteListener(Register.this, new
OnCompleteListener<AuthResult>() {
            @Override
            public void onComplete(@NonNull Task<AuthResult>
task) {
                if(!task.isSuccessful()){

Toast.makeText(Register.this,"Registration Unsuccessful, Please try
again!",Toast.LENGTH_SHORT).show();

                }
                else {
                    startActivity(new
Intent(Register.this,MainActivity.class));
                    finish();
                }
            }
        });
    }
    else {
        Toast.makeText(Register.this,"Error
Occurred!",Toast.LENGTH_SHORT).show();
    }
});

tvLogin.setOnClickListener(v -> {
    finish();
    Intent i = new Intent(Register.this,Login.class);
    startActivity(i);
});
}
}

```

```
//history.xml file
```

```

<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
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"
    tools:context=".History">

    <ListView
        android:id="@+id/hist"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

<com.google.android.material.floatingactionbutton.FloatingActionButt
on
    android:id="@+id/delh"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="bottom|end"
    android:layout_marginEnd="170dp"
    android:layout_marginRight="170dp"
    android:layout_marginBottom="32dp"
    android:backgroundTint="@color/white"
    android:clickable="true"
    android:src="@drawable/ic_baseline_delete_forever_24"
    app:elevation="6dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:pressedTranslationZ="12dp" />

</androidx.constraintlayout.widget.ConstraintLayout>

```

```
//History.java file
```

```

package com.nilesh.um_browser;

import androidx.annotation.NonNull;
import androidx.annotation.Nullable;

```

```

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.View;
import android.widget.AdapterView;
import android.widget.ListView;
import android.widget.Toast;

import
com.google.android.material.floatingactionbutton.FloatingActionButto
n;
import com.google.android.material.snackbar.Snackbar;
import com.google.firebase.database.ChildEventListener;
import com.google.firebase.database.DataSnapshot;
import com.google.firebase.database.DatabaseError;
import com.google.firebase.database.DatabaseReference;
import com.google.firebase.database.FirebaseDatabase;

import java.net.HttpCookie;
import java.util.ArrayList;

public class History extends AppCompatActivity {

    private FirebaseDatabase db = FirebaseDatabase.getInstance();
    private DatabaseReference root =
db.getReference().child("History");
    private ListView histList;
    private ArrayList<String> mhist = new ArrayList<>();

    FloatingActionButton delh;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_history);

        histList = findViewById(R.id.hist);

        ArrayAdapter<String> arrayAdapter = new
ArrayAdapter<String>(this, android.R.layout.simple_list_item_1,
mhist);
        histList.setAdapter(arrayAdapter);

        root.addChildEventListener(new ChildEventListener() {
            @Override
            public void onChildAdded(@NonNull DataSnapshot snapshot,
@Nullable String previousChildName) {

                String value = snapshot.getValue(String.class);

```

```

        mhist.add(value);
        arrayAdapter.notifyDataSetChanged();

    }

    @Override
    public void onChildChanged(@NonNull DataSnapshot
snapshot, @Nullable String previousChildName) {

    }

    @Override
    public void onChildRemoved(@NonNull DataSnapshot
snapshot) {

    }

    @Override
    public void onChildMoved(@NonNull DataSnapshot snapshot,
@Nullable String previousChildName) {

    }

    @Override
    public void onCancelled(@NonNull DatabaseError error) {

    }
});

FloatingActionButton fab = findViewById(R.id.delh);
fab.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        root.removeValue();
        finish();
    }
});
}
}
}

```

```
//activity_bookmark.xml file
```

```

<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
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"
    tools:context=".History">

    <ListView
        android:id="@+id/book"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

<com.google.android.material.floatingactionbutton.FloatingActionButt
on
    android:id="@+id/delb"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="bottom|end"
    android:layout_marginEnd="170dp"
    android:layout_marginRight="170dp"
    android:layout_marginBottom="32dp"
    android:backgroundTint="@color/white"
    android:clickable="true"
    android:src="@drawable/ic_baseline_delete_forever_24"
    app:elevation="6dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:pressedTranslationZ="12dp" />

</androidx.constraintlayout.widget.ConstraintLayout>

```

```
//Bookmark.java file
```

```

package com.nilesh.um_browser;

import androidx.annotation.NonNull;

```

```

import androidx.annotation.Nullable;
import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.View;
import android.view.WindowManager;
import android.widget.ArrayAdapter;
import android.widget.ListView;

import
com.google.android.material.floatingactionbutton.FloatingActionButto
n;
import com.google.firebase.database.ChildEventListener;
import com.google.firebase.database.DataSnapshot;
import com.google.firebase.database.DatabaseError;
import com.google.firebase.database.DatabaseReference;
import com.google.firebase.database.FirebaseDatabase;

import java.net.HttpCookie;
import java.util.ArrayList;

public class Bookmark extends AppCompatActivity {

    private FirebaseDatabase db = FirebaseDatabase.getInstance();
    private DatabaseReference broot =
db.getReference().child("Bookmarks");
    private ListView bookList;
    private ArrayList<String> mbook = new ArrayList<>();

    FloatingActionButton delb;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_bookmark);

        //For hiding default android status bar

getWindow().setFlags(WindowManager.LayoutParams.FLAG_FULLSCREEN,
WindowManager.LayoutParams.FLAG_FULLSCREEN);

        bookList = findViewById(R.id.book);

        ArrayAdapter<String> arrayAdapter = new
ArrayAdapter<String>(this, android.R.layout.simple_list_item_1,
mbook);
        bookList.setAdapter(arrayAdapter);

```



```

        broot.addChildEventListener(new ChildEventListener() {
            @Override
            public void onChildAdded(@NonNull DataSnapshot snapshot,
@Nullable String previousChildName) {

                String value = snapshot.getValue(String.class);
                mbook.add(value);
                arrayAdapter.notifyDataSetChanged();

            }

            @Override
            public void onChildChanged(@NonNull DataSnapshot
snapshot, @Nullable String previousChildName) {

            }

            @Override
            public void onChildRemoved(@NonNull DataSnapshot
snapshot) {

            }

            @Override
            public void onChildMoved(@NonNull DataSnapshot snapshot,
@Nullable String previousChildName) {

            }

            @Override
            public void onCancelled(@NonNull DatabaseError error) {

            }

        });

        FloatingActionButton delb = findViewById(R.id.delb);
        delb.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                broot.removeValue();
                finish();

            }

        });

```

```
}  
}
```

//activity_information.xml file

```
<androidx.constraintlayout.widget.ConstraintLayout  
    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"  
    tools:context=".MainActivity">  
    <ImageView  
        android:layout_width="match_parent"  
        android:layout_height="match_parent"  
        android:background="@drawable/info"  
    />  
</androidx.constraintlayout.widget.ConstraintLayout>
```

//activity_app_integrations.xml file

```
<?xml version="1.0" encoding="utf-8"?>  
<androidx.constraintlayout.widget.ConstraintLayout  
    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"  
    tools:context=".AppIntegrations">  
  
    <TextView  
        android:id="@+id/textView3"  
        android:layout_width="wrap_content"  
        android:layout_height="wrap_content"  
        android:layout_marginTop="16dp"  
        android:fontFamily="@font/aclonica"  
        android:text="App Integrations"  
        android:textSize="30sp"  
        app:layout_constraintEnd_toEndOf="parent"  
        app:layout_constraintStart_toStartOf="parent"  
        app:layout_constraintTop_toTopOf="parent" />
```

```
<TextView
    android:id="@+id/textView4"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="24dp"
    android:layout_marginLeft="24dp"
    android:layout_marginTop="24dp"
    android:text="Ecommerce"
    android:textSize="24sp"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView3" />
```

```
<ImageView
    android:id="@+id/amazon"
    android:layout_width="38dp"
    android:layout_height="46dp"
    android:layout_marginStart="24dp"
    android:layout_marginLeft="24dp"
    android:layout_marginTop="16dp"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView4"
    app:srcCompat="@drawable/amazon" />
```

```
<ImageView
    android:id="@+id/ebay"
    android:layout_width="38dp"
    android:layout_height="46dp"
    android:layout_marginStart="60dp"
    android:layout_marginLeft="60dp"
    android:layout_marginTop="16dp"
    app:layout_constraintStart_toEndOf="@+id/amazon"
    app:layout_constraintTop_toBottomOf="@+id/textView4"
    app:srcCompat="@drawable/ebay" />
```

```
<ImageView
    android:id="@+id/flipkart"
    android:layout_width="38dp"
    android:layout_height="46dp"
    android:layout_marginStart="60dp"
    android:layout_marginLeft="60dp"
    android:layout_marginTop="16dp"
    app:layout_constraintStart_toEndOf="@+id/ebay"
    app:layout_constraintTop_toBottomOf="@+id/textView4"
    app:srcCompat="@drawable/flipkart" />
```

```
<TextView
    android:id="@+id/SocialMedia"
```

```
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="12dp"
    android:layout_marginLeft="12dp"
    android:layout_marginTop="32dp"
    android:text="Social Media"
    android:textSize="24sp"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/amazon" />
```

<ImageView

```
    android:id="@+id/facebook"
    android:layout_width="38dp"
    android:layout_height="46dp"
    android:layout_marginStart="28dp"
    android:layout_marginLeft="28dp"
    android:layout_marginTop="24dp"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/SocialMedia"
    app:srcCompat="@drawable/facebook" />
```

<ImageView

```
    android:id="@+id/twitter"
    android:layout_width="38dp"
    android:layout_height="46dp"
    android:layout_marginStart="60dp"
    android:layout_marginLeft="60dp"
    android:layout_marginTop="16dp"
    app:layout_constraintStart_toEndOf="@+id/amazon"
    app:layout_constraintTop_toBottomOf="@+id/SocialMedia"
    app:srcCompat="@drawable/twitter" />
```

<ImageView

```
    android:id="@+id/youtube"
    android:layout_width="38dp"
    android:layout_height="46dp"
    android:layout_marginStart="60dp"
    android:layout_marginLeft="60dp"
    android:layout_marginTop="16dp"
    app:layout_constraintStart_toEndOf="@+id/ebay"
    app:layout_constraintTop_toBottomOf="@+id/SocialMedia"
    app:srcCompat="@drawable/youtube" />
```

<TextView

```
    android:id="@+id/Entertainment"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="8dp"
    android:layout_marginLeft="8dp"
```

```

        android:layout_marginTop="32dp"
        android:text="News, Payment and Entertainment"
        android:textSize="24sp"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/facebook" />

<ImageView
    android:id="@+id/googleNews"
    android:layout_width="38dp"
    android:layout_height="46dp"
    android:layout_marginStart="28dp"
    android:layout_marginLeft="28dp"
    android:layout_marginTop="24dp"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/Entertainment"
    app:srcCompat="@drawable/google_news" />

<ImageView
    android:id="@+id/paytm"
    android:layout_width="38dp"
    android:layout_height="46dp"
    android:layout_marginStart="60dp"
    android:layout_marginLeft="60dp"
    android:layout_marginTop="16dp"
    app:layout_constraintStart_toEndOf="@+id/amazon"
    app:layout_constraintTop_toBottomOf="@+id/Entertainment"
    app:srcCompat="@drawable/paytm" />

<ImageView
    android:id="@+id/gaana"
    android:layout_width="38dp"
    android:layout_height="46dp"
    android:layout_marginStart="60dp"
    android:layout_marginLeft="60dp"
    android:layout_marginTop="16dp"
    app:layout_constraintStart_toEndOf="@+id/ebay"
    app:layout_constraintTop_toBottomOf="@+id/Entertainment"
    app:srcCompat="@drawable/gaana" />

</androidx.constraintlayout.widget.ConstraintLayout>

```

//AppIntegrations.java file

```
package com.nilesh.um_browser;
```

```

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.view.WindowManager;
import android.widget.ImageView;
import android.widget.Toast;

public class AppIntegrations extends AppCompatActivity {

    ImageView
amazon,flipkart,ebay,facebook,twitter,youtube,googleNews,paytm,gaana
;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_app_integrations);

        ImageView amazon = findViewById(R.id.amazon);
        ImageView flipkart = findViewById(R.id.flipkart);
        ImageView ebay = findViewById(R.id.ebay);
        ImageView facebook = findViewById(R.id.facebook);
        ImageView twitter = findViewById(R.id.twitter);
        ImageView youtube = findViewById(R.id.youtube);
        ImageView googleNews = findViewById(R.id.googleNews);
        ImageView paytm = findViewById(R.id.paytm);
        ImageView gaana = findViewById(R.id.gaana);

        //For hiding default android status bar

getWindow().setFlags(WindowManager.LayoutParams.FLAG_FULLSCREEN,
WindowManager.LayoutParams.FLAG_FULLSCREEN);

        amazon.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {

                Intent a = new Intent(AppIntegrations.this,
apps.class);
                String url1 = "https://www.amazon.com";
                a.putExtra("https://www.amazon.com",url1);
                startActivity(a);
                Toast.makeText(AppIntegrations.this, "Opening
Amazon", Toast.LENGTH_LONG).show();

```

```

    });

    flipkart.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {

            Intent f = new Intent(AppIntegrations.this,
apps.class);

            String url2 = "https://www.flipkart.com";
            f.putExtra("https://www.flipkart.com",url2);
            startActivity(f);

        }
    });

    ebay.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {

            Intent e = new Intent(AppIntegrations.this,
apps.class);

            String url3 = "https://www.ebay.com";
            e.putExtra("https://www.ebay.com",url3);
            startActivity(e);
            Toast.makeText(AppIntegrations.this, "Opening Ebay",
Toast.LENGTH_SHORT).show();

        }
    });

    facebook.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {

            Intent fa = new Intent(AppIntegrations.this,
apps.class);

            String url4 = "https://www.facebook.com";
            fa.putExtra("https://www.facebook.com",url4);
            startActivity(fa);
            Toast.makeText(AppIntegrations.this, "Opening
Facebook", Toast.LENGTH_LONG).show();

        }
    });

    twitter.setOnClickListener(new View.OnClickListener() {

```

```

        @Override
        public void onClick(View v) {

            Intent t = new Intent(AppIntegrations.this,
apps.class);

            String url5 = "https://www.twitter.com";
            t.putExtra("https://www.twitter.com",url5);
            startActivity(t);
            Toast.makeText(AppIntegrations.this, "Opening
Twitter", Toast.LENGTH_LONG).show();
        }
    });

    youtube.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {

            Intent yt = new Intent(AppIntegrations.this,
apps.class);

            String url6 = "https://www.youtube.com";
            yt.putExtra("https://www.youtube.com",url6);
            startActivity(yt);
            Toast.makeText(AppIntegrations.this, "Opening
youtube", Toast.LENGTH_LONG).show();
        }
    });

    googleNews.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {

            Intent g = new Intent(AppIntegrations.this,
apps.class);

            String url7 = "https://news.google.com/";
            g.putExtra("https://news.google.com/",url7);
            startActivity(g);
            Toast.makeText(AppIntegrations.this, "Opening Google
news", Toast.LENGTH_LONG).show();
        }
    });

    paytm.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {

            Intent p = new Intent(AppIntegrations.this,

```



```

apps.class);
        String url8 = "https://www.paytm.com";
        p.putExtra("https://www.paytm.com",url8);
        startActivity(p);
        Toast.makeText(AppIntegrations.this, "Opening
Paytm", Toast.LENGTH_LONG).show();
    }
});

gaana.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {

        Intent ga = new Intent(AppIntegrations.this,
apps.class);
        String url9 = "https://www.gaana.com";
        ga.putExtra("https://www.gaana.com",url9);
        startActivity(ga);
        Toast.makeText(AppIntegrations.this, "Opening
Gaana", Toast.LENGTH_LONG).show();
    }
});

    }
}

```

//activity_apps.xml

```

<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
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"
    tools:context=".apps">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:orientation="horizontal">

        <WebView

```

```
        android:id="@+id/web_view1"
        android:layout_width="fill_parent"
        android:layout_height="fill_parent"/>
    </LinearLayout>

</androidx.constraintlayout.widget.ConstraintLayout>
```

```
//apps.java file

package com.nilesh.um_browser;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.WindowManager;
import android.webkit.WebView;
import android.webkit.WebViewClient;

public class apps extends AppCompatActivity {
    private WebView browser;
    String url;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_apps);

        //For hiding default android status bar

        getWindow().setFlags(WindowManager.LayoutParams.FLAG_FULLSCREEN,
            WindowManager.LayoutParams.FLAG_FULLSCREEN);

        browser = findViewById(R.id.web_view1);
        browser.getSettings().setJavaScriptEnabled(true);
        browser.setWebViewClient(new WebViewClient());

        Bundle bundle1 = getIntent().getExtras();
        String url1 = bundle1.getString("https://www.amazon.com");
        browser.loadUrl(url1);

        Bundle bundle2 = getIntent().getExtras();
        String url2 = bundle2.getString("https://www.flipkart.com");
```

```

        browser.loadUrl(url2);

        Bundle bundle3 = getIntent().getExtras();
        String url3 = bundle1.getString("https://www.ebay.com");
        browser.loadUrl(url3);

        Bundle bundle4 = getIntent().getExtras();
        String url4 = bundle1.getString("https://www.facebook.com");
        browser.loadUrl(url4);

        Bundle bundle5 = getIntent().getExtras();
        String url5 = bundle1.getString("https://www.twitter.com");
        browser.loadUrl(url5);

        Bundle bundle6 = getIntent().getExtras();
        String url6 = bundle1.getString("https://www.youtube.com");
        browser.loadUrl(url6);

        Bundle bundle17 = getIntent().getExtras();
        String url7 = bundle1.getString("https://news.google.com/");
        browser.loadUrl(url7);

        Bundle bundle8 = getIntent().getExtras();
        String url8 = bundle1.getString("https://www.paytm.com");
        browser.loadUrl(url8);

        Bundle bundle9 = getIntent().getExtras();
        String url9 = bundle1.getString("https://www.gaana.com");
        browser.loadUrl(url9);
    }
}

```

//AndroidManifest.xml file

```

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

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

    <application
        android:allowBackup="true"
        android:icon="@drawable/logo"
        android:label="Um_Browser"
        android:roundIcon="@drawable/logo"

```

```
        android:supportsRtl="true"
        android:theme="@style/Theme.Light"
        android:windowSoftInputMode="adjustPan"
    >
        <activity android:name=".apps" />
        <activity android:name=".AppIntegrations" />
        <activity android:name=".Bookmark" />
        <activity android:name=".History" />
        <activity android:name=".Register" />
        <activity android:name=".Login">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />

                <category
android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
        <activity android:name=".information" />
        <activity android:name=".settings" />
        <activity android:name=".privateWindow" />
        <activity android:name=".MainActivity" />

        <meta-data
            android:name="preloaded_fonts"
            android:resource="@array/preloaded_fonts" />
    </application>
</manifest>
```