MainActivity.xml

```java
package com.indran.mcarit.openaurl;

import android.content.Intent;
import android.net.Uri;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.text.TextUtils;
import android.util.Log;
import android.util.Patterns;
import android.view.View;
import android.widget.EditText;

public class MainActivity extends AppCompatActivity {

    EditText ip;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        ip = (EditText) findViewById(R.id.ip);
    }

    public void toNextPage(View view) {

        try {

            if( TextUtils.isEmpty(ip.getText())){
                ip.setError( "field is required!" );
            }else{
                String potentialUrl = String.valueOf(ip.getText());

                if( Patterns.WEB_URL.matcher(potentialUrl).matches()){


                    Uri uri = Uri.parse(potentialUrl); // missing 'http://' will cause crashed
                    Intent intent = new Intent(Intent.ACTION_VIEW, uri);
                    startActivity(intent);


                } else {
                    ip.setError( "invalid url" );
                }
            }
        } catch (Exception e){
            Log.e("ERROR", e.getMessage());
            ip.setError( "invalid url add http:// as prefix" );
```

```
        }



    }
}
```

activity_mian.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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:layout_marginTop="70dp"
    tools:context="com.indran.mcarit.openaurl.MainActivity">


    <RelativeLayout
        android:layout_margin="10dp"
        android:layout_width="match_parent"
        android:layout_height="wrap_content">
        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="enter url ..."
            app:layout_constraintBottom_toBottomOf="parent"
            app:layout_constraintLeft_toLeftOf="parent"
            app:layout_constraintRight_toRightOf="parent"
            app:layout_constraintTop_toTopOf="parent" />
        <RelativeLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content">
            <EditText
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:id="@+id/ip"
                android:layout_marginRight="90dp"
                android:layout_marginTop="20dp"/>

            <Button
                android:id="@+id/button"
                android:layout_marginTop="-10dp"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
```

```xml
                android:layout_alignParentEnd="true"
                android:layout_alignParentRight="true"
                android:layout_alignTop="@+id/ip"
                android:onClick="toNextPage"
                android:text="open" />
        </RelativeLayout>
    </RelativeLayout>

</RelativeLayout>
```

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import android.content.Intent;
import android.net.Uri;
import android.text.TextUtils;
import android.util.Log;
import android.util.Patterns;
import android.view.View;
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public class MainActivity extends AppCompatActivity {

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    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        ip = (EditText) findViewById(R.id.ip);
    }

    public void toNextPage(View view) {

        try {

            if( TextUtils.isEmpty(ip.getText())){
                ip.setError( "field is required!" );
            }else{
                String potentialUrl = String.valueOf(ip.getText());

                if( Patterns.WEB_URL.matcher(potentialUrl).matches()){


                    Uri uri = Uri.parse(potentialUrl); // missing 'http://' will cause crashed
                    Intent intent = new Intent(Intent.ACTION_VIEW, uri);
```
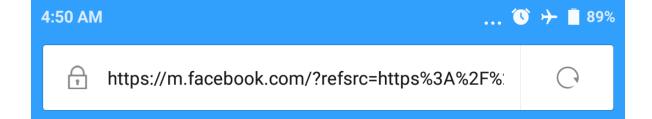
```java
                startActivity(intent);
            } else {
                ip.setError( "invalid url" );
            }
        }
    } catch (Exception e){
        Log.e("ERROR", e.getMessage());
        ip.setError( "invalid url add http:// as prefix" );
    }



    }
}
```

activity_mian.xml

```xml
<RelativeLayout   tools:context="com.indran.mcarit.openaurl.MainActivity">


  <RelativeLayout >
    <TextView android:text="enter url …" />
    <RelativeLayout >
      <EditText  android:id="@+id/ip" />

      <Button
        android:id="@+id/button"
        android:onClick="toNextPage"
        android:text="open" />
    </RelativeLayout>
  </RelativeLayout>

</RelativeLayout>
```

Open a Url

enter url ...

https://Facebook.com

OPEN

https://m.facebook.com/?refsrc=https%3A%2F%:

The site can't be reached. Couldn't find
DNS address for m.facebook.com.
(−105)

Try this:

- Check your internet connection.

- Check the URL you've entered.

- Clear cache (Settings − Clear data).

Refresh