Validation Example

layout\_main.xml

<LinearLayout xmlns:android=*"http://schemas.android.com/apk/res/android"*

xmlns:tools=*"http://schemas.android.com/tools"*

android:layout\_width=*"match\_parent"*

android:layout\_height=*"match\_parent"*

android:background=*"#F0F0F0"*

android:orientation=*"vertical"* >

<TextView

android:layout\_width=*"wrap\_content"*

android:layout\_height=*"wrap\_content"*

android:padding=*"10dp"*

android:text=*"Register Page"*

android:textAllCaps=*"true"*

android:textAppearance=*"?android:attr/textAppearanceLarge"*

android:textColor=*"#176CEC"*

android:textStyle=*"bold"* />

<EditText

android:id=*"@+id/editText\_email"*

android:layout\_width=*"match\_parent"*

android:layout\_height=*"wrap\_content"*

android:background=*"#fff"*

android:ems=*"10"*

android:hint=*"Lable Email Hint"*

android:inputType=*"textEmailAddress"*

android:padding=*"12dp"* />

<EditText

android:id=*"@+id/editText\_password"*

android:layout\_width=*"match\_parent"*

android:layout\_height=*"wrap\_content"*

android:layout\_marginTop=*"1dp"*

android:background=*"#fff"*

android:ems=*"10"*

android:hint=*"password\_hint"*

android:inputType=*"textPassword"*

android:padding=*"12dp"* />

<Button

android:id=*"@+id/btn\_signup"*

android:layout\_width=*"match\_parent"*

android:layout\_height=*"wrap\_content"*

android:layout\_margin=*"20dp"*

android:background=*"#176CEC"*

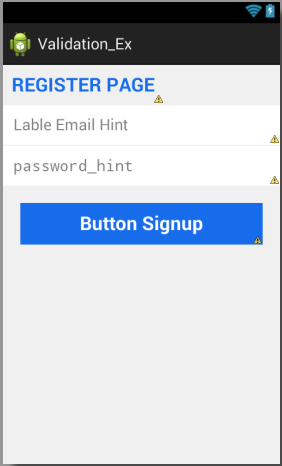
android:text=*"Button Signup"*

android:textAppearance=*"?android:attr/textAppearanceLarge"*

android:textColor=*"#fff"*

android:textStyle=*"bold"* />

</LinearLayout>



**Main\_Activity.java**

**package** jims\_mca2.validation\_ex;

**import** java.util.regex.Matcher;

**import** java.util.regex.Pattern;

**import** android.os.Bundle;

**import** android.app.Activity;

**import** android.view.Menu;

**import** android.view.View;

**import** android.view.View.OnClickListener;

**import** android.widget.EditText;

**public** **class** Main\_Activity **extends** Activity {

**private** EditText emailEditText;

**private** EditText passEditText;

@Override

**protected** **void** onCreate(Bundle savedInstanceState) {

**super**.onCreate(savedInstanceState);

setContentView(R.layout.*activity\_main\_*);

emailEditText = (EditText) findViewById(R.id.*editText\_email*);

passEditText = (EditText) findViewById(R.id.*editText\_password*);

findViewById(R.id.*btn\_signup*).setOnClickListener(**new** OnClickListener() {

@Override

**public** **void** onClick(View arg0) {

**final** String email = emailEditText.getText().toString();

**if** (!isValidEmail(email)) {

emailEditText.setError("Invalid Email");

}

**final** String pass = passEditText.getText().toString();

**if** (!isValidPassword(pass)) {

passEditText.setError("Invalid Password");

}

}

});

}

// validating email id

**private** **boolean** isValidEmail(String email) {

String EMAIL\_PATTERN = "^[\_A-Za-z0-9-\\+]+(\\.[\_A-Za-z0-9-]+)\*@"

+ "[A-Za-z0-9-]+(\\.[A-Za-z0-9]+)\*(\\.[A-Za-z]{2,})$";

Pattern pattern = Pattern.*compile*(EMAIL\_PATTERN);

Matcher matcher = pattern.matcher(email);

**return** matcher.matches();

}

// validating password with retype password

**private** **boolean** isValidPassword(String pass) {

**if** (pass != **null** && pass.length() > 6) {

**return** **true**;

}

**return** **false**;

}

@Override

**public** **boolean** onCreateOptionsMenu(Menu menu) {

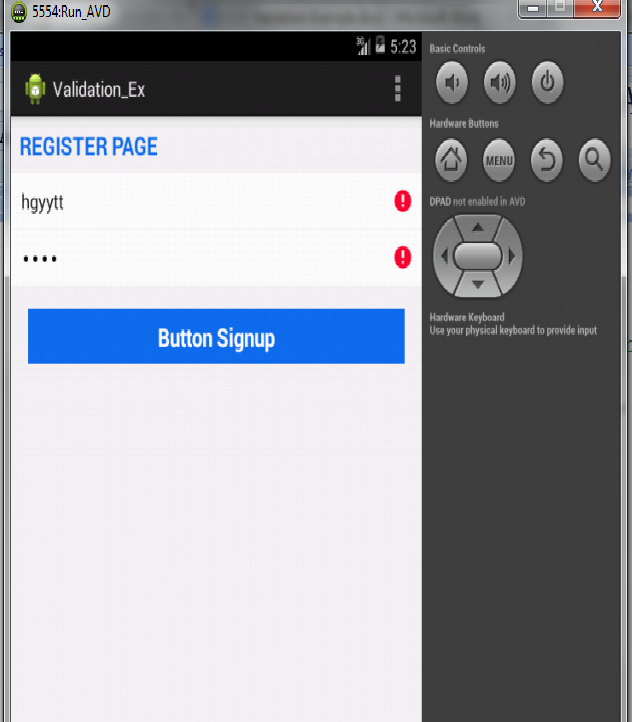
// Inflate the menu; this adds items to the action bar if it is present.

getMenuInflater().inflate(R.menu.*validation\_\_main\_*, menu);

**return** **true**;

}

}



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