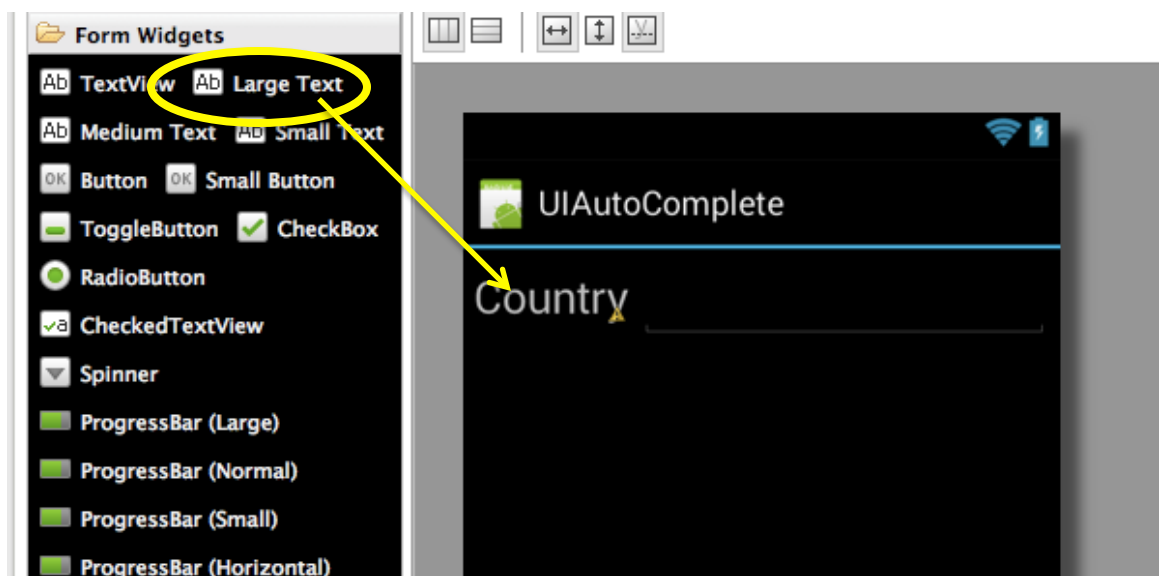
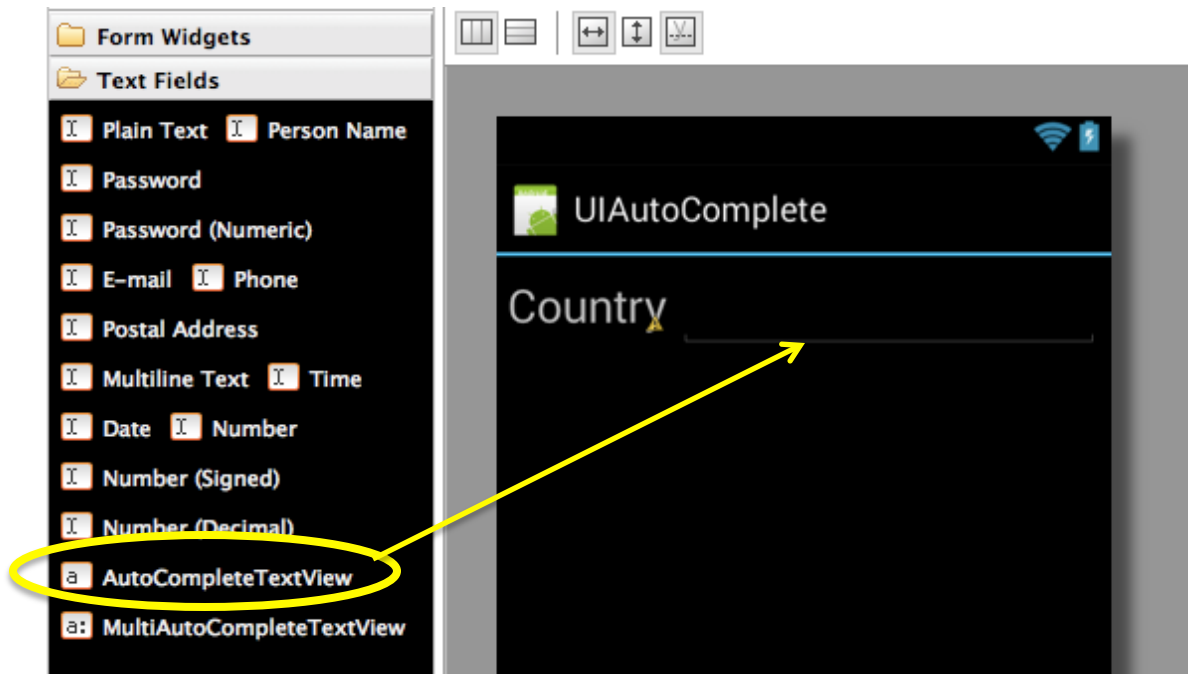


UI Element – AutoCompleteTextView

1. Create a new Android Application Project with the following attributes:
 - a. Application Name: UIAutoComplete
 - b. Icon: default image
 - c. Activity Name: AutoCompleteActivity
 - d. Layout Name: main
2. Create the xml file:
 - a. Change the background color of the screen to black by going to Properties Window> Background and provide the HTML code for the black color: #000000.
 - b. Drag a LargeText TextView and an AutoCompleteTextView elements to the screen.





3. Click main.xml. The source code should be similar below:

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="fill_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal"
    android:padding="5dp" >

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Country"
        android:textSize="24sp" />

    <AutoCompleteTextView
        android:id="@+id/autocomplete_country"
        android:layout_width="fill_parent"
        android:layout_height="wrap_content"
        android:layout_marginLeft="5dp"
        android:textSize="24sp"/>

</LinearLayout>
```

Save main.xml

4. Create another XML file by right-clicking res/layout folder then choose New > Android XML file > filename: list_main then choose TextView under the ROOT element > Finish.

5. The list_item.xml should be similar to the following code:

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <TextView xmlns:android="http://schemas.android.com/apk/res/android"
3     android:layout_width="fill_parent"
4     android:layout_height="fill_parent"
5     android:padding="10dp"
6     android:textSize="24sp"
7     android:textColor="#000">
8 </TextView>
```

6. Write the following java source code in AutoCompleteActivity:

```
AutoCompleteTextView textView = (AutoCompleteTextView) findViewById(R.id.autocomplete_country);
ArrayAdapter<String> adapter = new ArrayAdapter<String>(this,
    R.layout.list_item, COUNTRIES);
textView.setAdapter(adapter);

textView.setOnItemClickListener(new OnItemClickListener() {

    @Override
    public void onItemClick(AdapterView<?> arg0, View arg1, int arg2,
        long arg3) {
        Toast.makeText(getApplicationContext(), "The winner is:" +
            arg0.getAdapter().getItem(arg2), Toast.LENGTH_SHORT).show();
    }
});
```

7. Outside the onCreate() method, declare an array of Strings to represent various countries:

```
static final String[] COUNTRIES = new String[] { "Afghanistan", "Albania",
    "Algeria", "American Samoa", "Andorra", "Angola", "Anguilla",
    "Antarctica", "Antigua and Barbuda", "Argentina", "Armenia",
    "Aruba", "Australia", "Austria", "Azerbaijan", "Bahrain",
    "Bangladesh", "Barbados", "Belarus", "Belgium", "Belize", "Benin",
    "Bermuda", "Bhutan", "Bolivia", "Bosnia and Herzegovina",
    "Botswana", "Bouvet Island", "Brazil",
    "British Indian Ocean Territory", "British Virgin Islands",
    "Brunei", "Bulgaria", "Burkina Faso", "Burundi", "Cote d'Ivoire",
    "Cambodia", "Cameroon", "Canada", "Cape Verde", "Cayman Islands",
    "Central African Republic", "Chad", "Chile", "China",
    "Christmas Island", "Cocos (Keeling) Islands", "Colombia",
    "Comoros", "Congo", "Cook Islands", "Costa Rica", "Croatia",
    "Cuba", "Cyprus", "Czech Republic",
    "Democratic Republic of the Congo", "Denmark", "Djibouti",
    "Dominica", "Dominican Republic", "East Timor", "Ecuador", "Egypt",
    "El Salvador", "Equatorial Guinea", "Eritrea", "Estonia",
    "Ethiopia", "Faeroe Islands", "Falkland Islands", "Fiji",
    "Finland", "Former Yugoslav Republic of Macedonia", "France",
    "French Guiana", "French Polynesia", "French Southern Territories",
    "Gabon", "Georgia", "Germany", "Ghana", "Gibraltar", "Greece",
    "Greenland", "Grenada", "Guadeloupe", "Guam", "Guatemala",
    "Guinea", "Guinea-Bissau", "Guyana", "Haiti",
    "Heard Island and McDonald Islands", "Honduras", "Hong Kong",
    "Hungary", "Iceland", "India", "Indonesia", "Iran", "Iraq",
    "Ireland", "Israel", "Italy", "Jamaica", "Japan", "Jordan",
    "Kazakhstan", "Kenya", "Kiribati", "Kuwait", "Kyrgyzstan", "Laos",
    "Latvia", "Lebanon", "Lesotho", "Liberia", "Libya",
    "Liechtenstein", "Lithuania", "Luxembourg", "Macau", "Madagascar",
    "Malawi", "Malaysia", "Maldives", "Mali", "Malta",
    "Marshall Islands", "Martinique", "Mauritania", "Mauritius",
    "Mayotte", "Mexico", "Micronesia", "Moldova", "Monaco", "Mongolia",
    "Montserrat", "Morocco", "Mozambique", "Myanmar", "Namibia",
    "Nauru", "Nepal", "Netherlands", "Netherlands Antilles",
    "New Caledonia", "New Zealand", "Nicaragua", "Niger", "Nigeria",
    "Niue", "Norfolk Island", "North Korea", "Northern Marianas",
    "Norway", "Oman", "Pakistan", "Palau", "Panama",
    "Papua New Guinea", "Paraguay", "Peru", "Philippines",
    "Pitcairn Islands", "Poland", "Portugal", "Puerto Rico", "Qatar",
    "Reunion", "Romania", "Russia", "Rwanda", "Sao Tome and Principe",
    "Saint Helena", "Saint Kitts and Nevis", "Saint Lucia",
    "Saint Pierre and Miquelon", "Saint Vincent and the Grenadines",
    "Samoa", "San Marino", "Saudi Arabia", "Senegal", "Seychelles",
    "Sierra Leone", "Singapore", "Slovakia", "Slovenia",
    "Solomon Islands", "Somalia", "South Africa",
    "South Georgia and the South Sandwich Islands", "South Korea",
    "Spain", "Sri Lanka", "Sudan", "Suriname",
    "Svalbard and Jan Mayen", "Swaziland", "Sweden", "Switzerland",
    "Syria", "Taiwan", "Tajikistan", "Tanzania", "Thailand",
    "The Bahamas", "The Gambia", "Togo", "Tokelau", "Tonga",
    "Trinidad and Tobago", "Tunisia", "Turkey", "Turkmenistan",
    "Turks and Caicos Islands", "Tuvalu", "Virgin Islands", "Uganda",
    "Ukraine", "United Arab Emirates", "United Kingdom",
    "United States", "United States Minor Outlying Islands", "Uruguay",
    "Uzbekistan", "Vanuatu", "Vatican City", "Venezuela", "Vietnam",
    "Wallis and Futuna", "Western Sahara", "Yemen", "Yugoslavia",
    "Zambia", "Zimbabwe" };
```

8. Save and run the program.

