1.SEARCH option(HomeActivity)

1.SearchView **searchView**;

2.@Override  
**public boolean** onCreateOptionsMenu(Menu menu) {  
 *// Inflate the menu; this adds items to the action bar if it is present.* getMenuInflater().inflate(R.menu.***options\_menu***, menu);  
 **searchView** = (SearchView) MenuItemCompat.*getActionView*(menu.findItem(R.id.***action\_search***));  
 SearchManager searchManager = (SearchManager) getSystemService(***SEARCH\_SERVICE***);  
 **searchView**.setSearchableInfo(searchManager.getSearchableInfo(getComponentName()));  
 **searchView**.setOnQueryTextListener(**onQueryTextListener**);  
 **return true**;  
}

3.SearchView.OnQueryTextListener **onQueryTextListener** = **new** SearchView.OnQueryTextListener() {  
  
 @Override  
 **public boolean** onQueryTextSubmit(String query) {  
 Intent intent = **new** Intent(HomeActivity.**this**, SearchResultActivity.**class**);  
 intent.putExtra(**"query"**, query);  
 startActivity(intent);  
 *//for keypad shutting once task completed.* HomeActivity.**this**.getWindow().setSoftInputMode(WindowManager.LayoutParams.***SOFT\_INPUT\_STATE\_ALWAYS\_HIDDEN***);  
 **return false**;  
 }  
  
 @Override  
 **public boolean** onQueryTextChange(String newText) {  
 **return false**;  
 }  
};

2.SearchResultActivity

1.

String **query** = **""**;  
DatabaseReference **databaseReference**;  
List<User> **userList**;  
RecyclerView **recycler\_view**;

2.

**recycler\_view** = (RecyclerView) findViewById(R.id.***recycler\_view***);  
 RecyclerView.LayoutManager mLayoutManager = **new** LinearLayoutManager(getApplicationContext());  
 **recycler\_view**.setLayoutManager(mLayoutManager);  
 **recycler\_view**.setItemAnimator(**new** DefaultItemAnimator());

3.  
  
 **databaseReference** = FirebaseDatabase.*getInstance*().getReference();  
 **userList** = **new** ArrayList<User>();  
  
 Bundle extras = getIntent().getExtras();  
 **if** (extras != **null**){  
 **query** = extras.getString(**"query"**);  
 searchItem(**query**);  
 }  
}

4. **public void** searchItem(**final** String query){  
 Query queryForSearchUser = **databaseReference**.child(**"users"**);  
  
 queryForSearchUser.addListenerForSingleValueEvent(**new** ValueEventListener() {  
 @Override  
 **public void** onDataChange(DataSnapshot dataSnapshot) {  
 Iterator iterator = dataSnapshot.getChildren().iterator();  
  
 String name = **""**;  
 String artistType = **""**;  
 String city = **""**;  
 String state = **""**;  
 String country = **""**;  
 String photoUrl = **""**;  
 String email = **""**;  
 String providerId = **""**;  
 String mobile = **""**;  
 String userID = **""**;  
 String fcmId = **""**;  
  
 **while** (iterator.hasNext()){  
 DataSnapshot snapshot = (DataSnapshot) iterator.next();  
 Iterator iterator1 = snapshot.getChildren().iterator();  
 **while** (iterator1.hasNext()){  
 DataSnapshot snapshot1 = (DataSnapshot) iterator1.next();  
 **if** (snapshot1.getKey().equals(**"name"**)){  
 name = snapshot1.getValue().toString();  
  
 **if** (name.toLowerCase().contains(query.toLowerCase())){  
  
 Iterator iterator2 = snapshot.getChildren().iterator();  
  
 *//===== For assigning Other user value not previous user* name = **""**;  
 city = **""**;  
 state = **""**;  
 country = **""**;  
 photoUrl = **""**;  
 email = **""**;  
 mobile = **""**;  
 userID = snapshot.getKey();  
  
 **while** (iterator2.hasNext()){  
 DataSnapshot snapshot2 = (DataSnapshot) iterator2.next();  
  
  
 **if** (snapshot2.getKey().equals(**"name"**)){  
 name = snapshot2.getValue().toString();  
 }**else if** (snapshot2.getKey().equals(**"email"**)){  
 email = snapshot2.getValue().toString();  
 }**else if** (snapshot2.getKey().equals(**"mobile"**)){  
 mobile = snapshot2.getValue().toString();  
 }**else if** (snapshot2.getKey().equals(**"city"**)){  
 city = snapshot2.getValue().toString();  
 }**else if** (snapshot2.getKey().equals(**"country"**)){  
 country = snapshot2.getValue().toString();  
 }**else if** (snapshot2.getKey().equals(**"photoUrl"**)){  
 photoUrl = snapshot2.getValue().toString();  
 }  
  
 }  
  
 **if** (userID.equals(FirebaseAuth.*getInstance*().getCurrentUser().getUid())){  
  
 }**else** {  
 User user = **new** User(name,email,mobile,userID,photoUrl);*//new User(name, email, providerId, photoUrl, artistType, mobile, country, state, city, userID, fcmId);* **if** (user != **null** && user.**uid** != **""**){  
 **userList**.add(user);  
 }  
 }  
 }  
 }  
 }  
 }

5.

**if** (**userList**.size() > 0){  
 ContactListRecyclerAdapter contactListRecyclerViewAdapter = **new** ContactListRecyclerAdapter(SearchResultActivity.**this**, **userList**);  
 **recycler\_view**.setAdapter(contactListRecyclerViewAdapter);  
 }**else** {  
 Toast.*makeText*(SearchResultActivity.**this**, **"Search result doesn't match!!!"**, Toast.***LENGTH\_SHORT***).show();  
 finish();  
 }  
  
 }