Trip Buddy App Presentation

Team Five Guys
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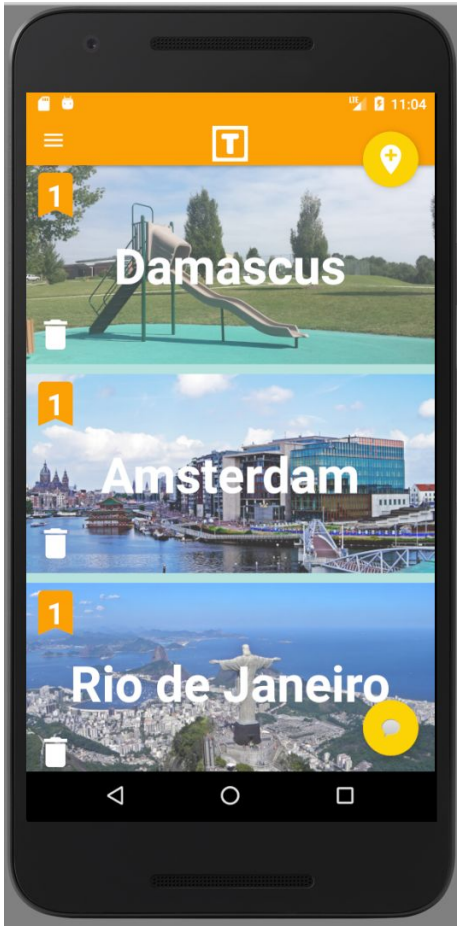
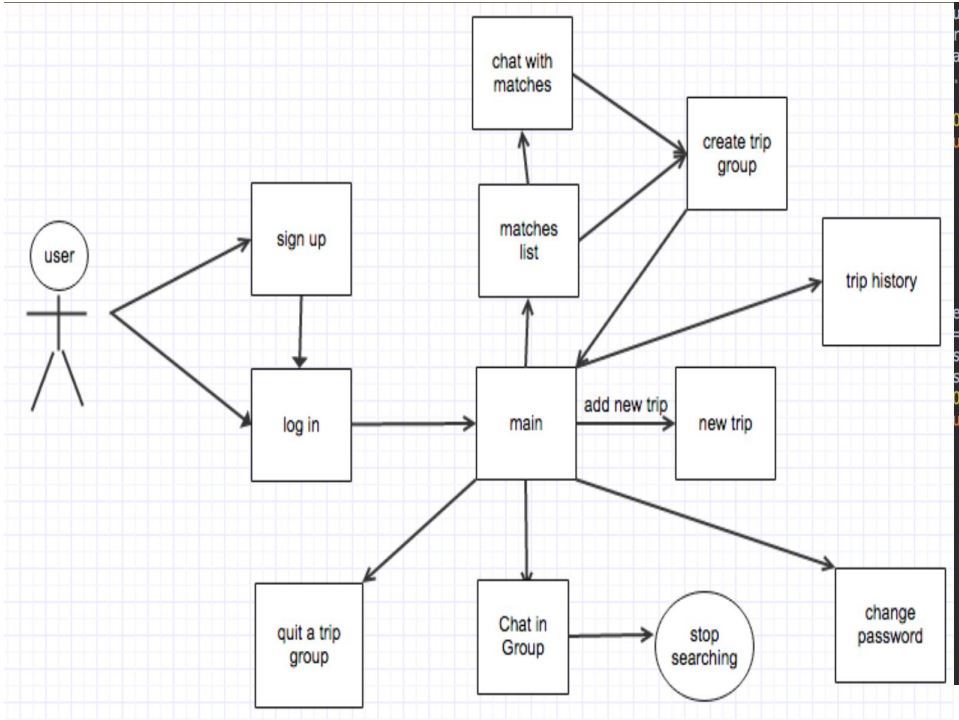
Introduction

We are building a project that helps people find trip buddies. Basically, it is an app that matches people based on the places they want to go. Users will be able to chat and discuss with other users who want to have the same journey. Finally users will form groups and hit the road.



App Workflow



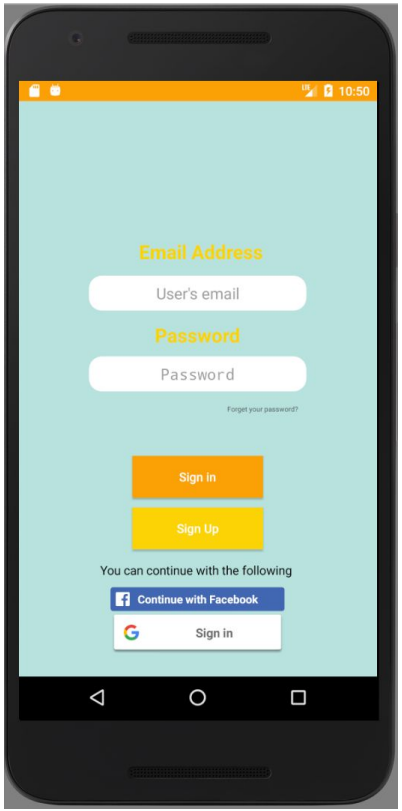

```
ublist);
rl);
add(des);
.d("totalList",totList.size()+"");
 ImageLoad adapter = new ImageLoad(Main.this, urilist, destinations, new ImageLoad.EditPlayerAdapterCallback
Override
ublic void deletePressed(int position) {
   deletePlayer(position);
                if (position < urilist.size()) {
                    urilist.remove(position);
                    destinations.remove(position);
                }


er.notifyDataSetChanged();
= (GridView) findViewById(R.id.gridview);
setAdapter(adapter);
setOnItemClickListener(new AdapterView.OnItemClickListener() {
Override
ublic void onItemClick(AdapterView<?> adapterView, View view, int i, long l) {
  // Toast.makeText(Main.this, "You Clicked at " + totList.get(i),
    //       Toast.LENGTH_SHORT).show();
   //Log.d("TotList", Arrays.toString(totList.toArray()));
   Intent intent = new Intent(Main.this, Chat2Activity.class);
   intent.putStringArrayListExtra("LIST", new ArrayList<String>(totList.get(i)));
   intent.putExtra("DESTINATION", String.valueOf(destinations.get(i)));
   intent.putExtra("DEST_PHOTO", urilist.get(i));
   startActivity(intent);
```

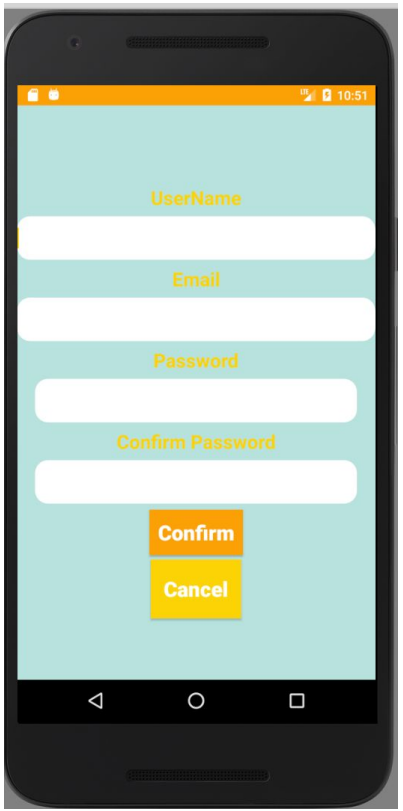
Login/Register

In our App, we implement both Google account sign in and Facebook account sign in. Users can sign in the App by Google account and facebook account.

New users can register by filling the information in the register page.

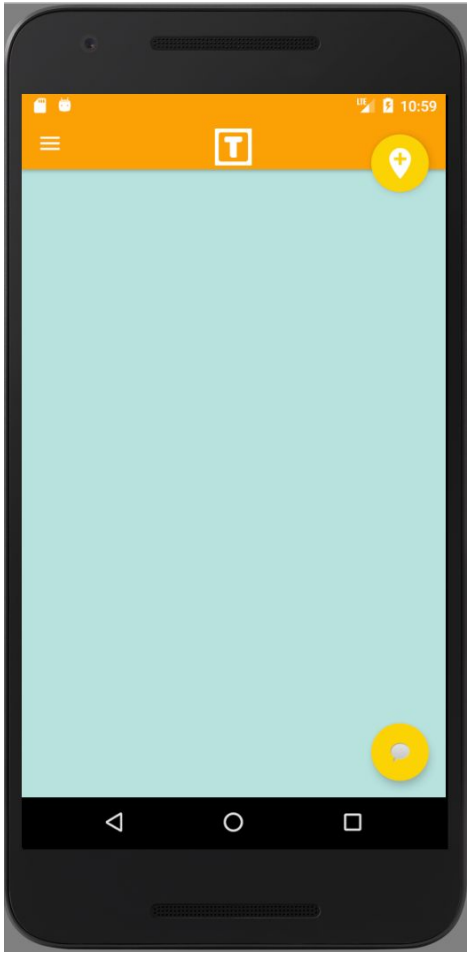
After login successfully, we can get the user's name, user's unique user ID and user's profile user ID. These information can be stored in our database. These information is the user's personal information of this App. Users can also change their profile picture.



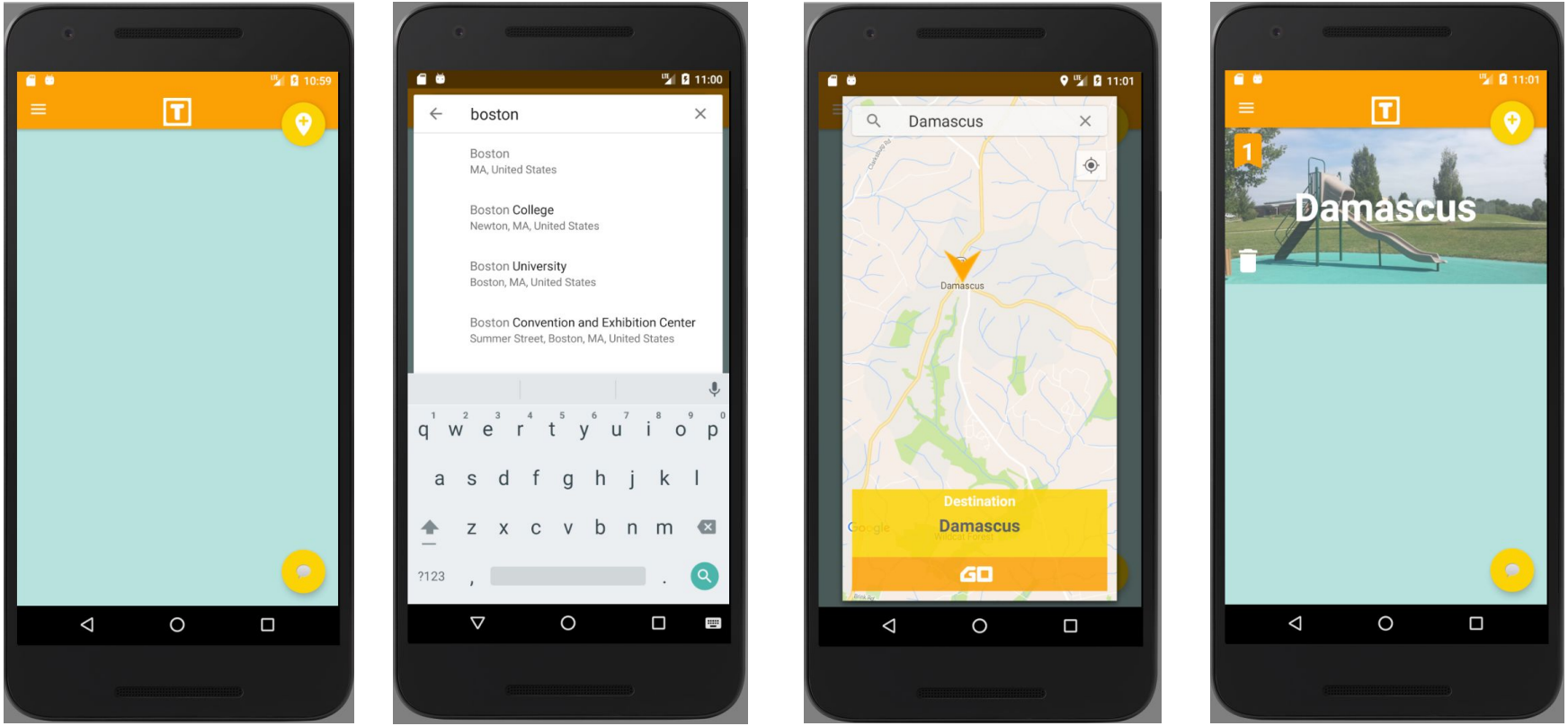


Start a new trip

User taps the plus button on the top right of the screen to start a new trip. First the user enters a map API, then the user input the depart city and destination. After the trip is set, our app automatically set up all the person with the same trip as one group. Users in that group can start chat activity with all other member(s).

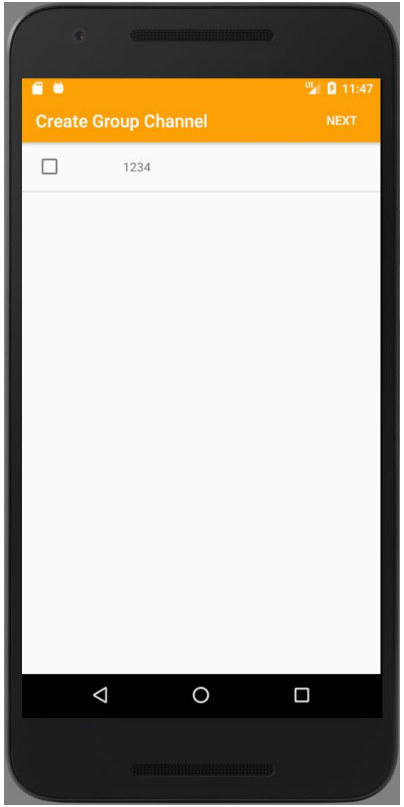


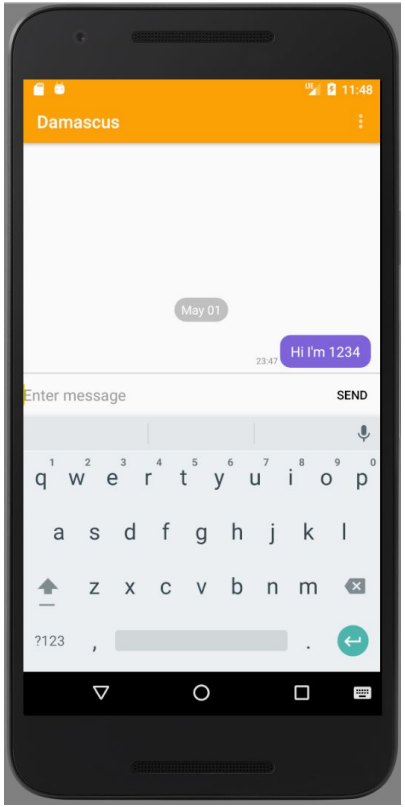
Start a new trip



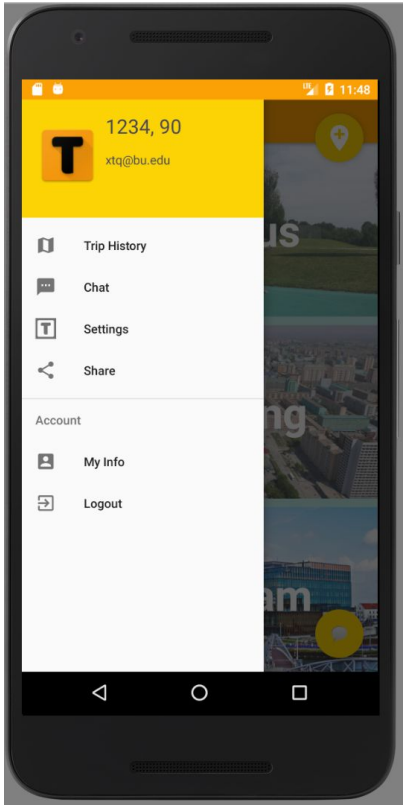
Create chat with matched people

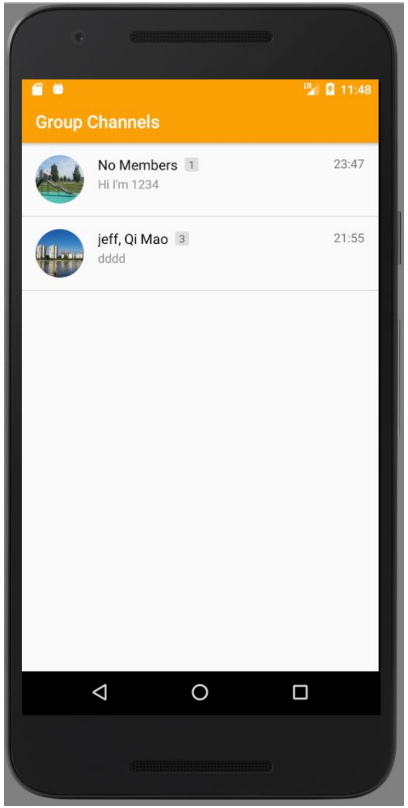
After the group is formed, clicking the icon of the trip in the center of the app will let user enter a list of other user in the same trip. After selecting the wanted users to chat, the group chat will be formed automatically. All the chat histories belong to one person can be found in the chat button in the menu bar.

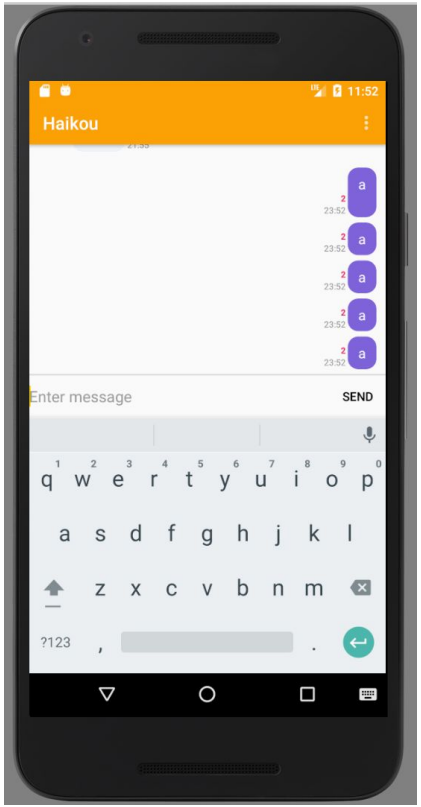


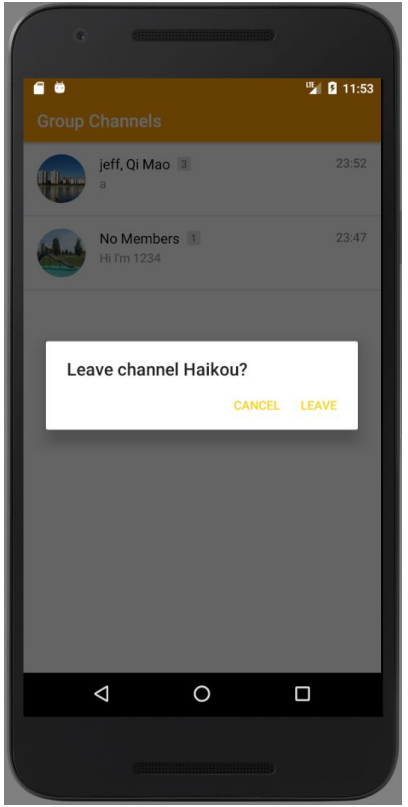


Chat with people/quit/history

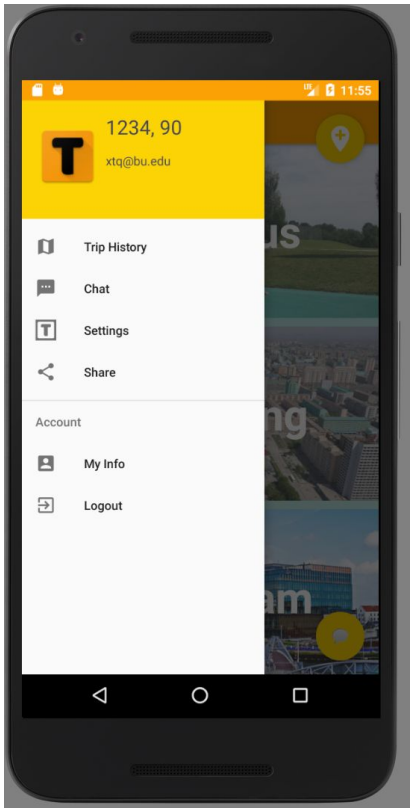


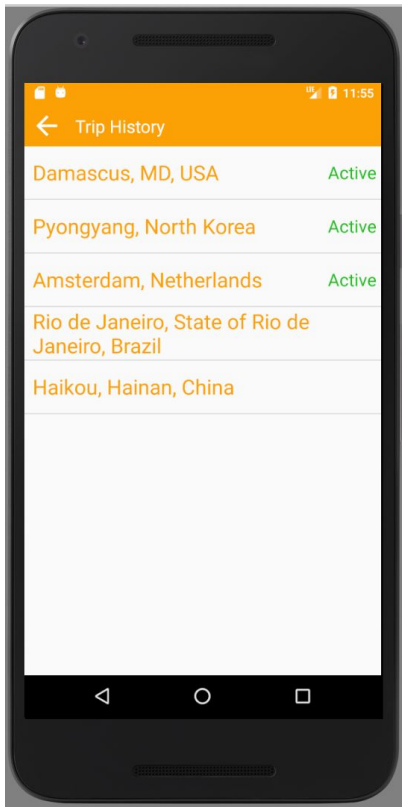




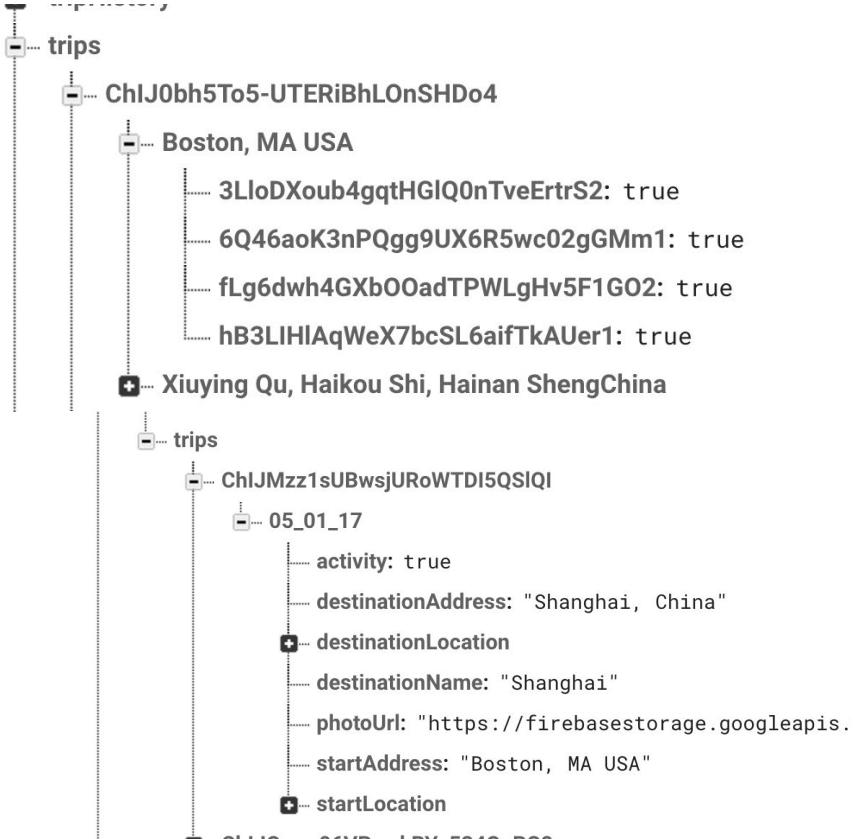


Trip History





FireBase

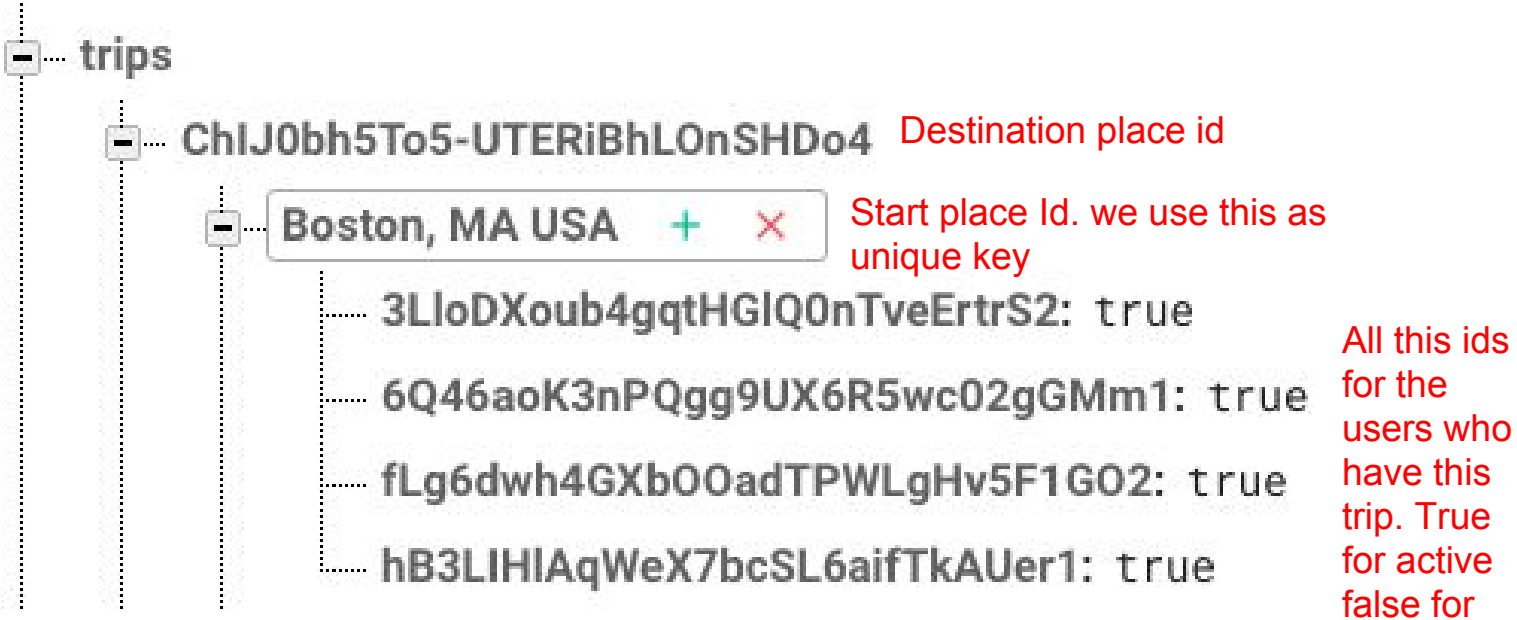

trips
ChIJ0bh5To5-UTERiBhLOnSHDo4
Boston, MA USA
3LloDXoub4gqtHGlQ0nTveErtrS2: true
6Q46aoK3nPQgg9UX6R5wc02gGMm1: true
fLg6dwh4GXbOOadTPWLgHv5F1GO2: true
hB3LIHlAqWeX7bcSL6aifTkAUer1: true
Xiuying Qu, Haikou Shi, Hainan ShengChina
trips
ChIJMzz1sUBwsjURoWTDI5QSlQI
05_01_17
activity: true
destinationAddress: "Shanghai, China"
destinationLocation
destinationName: "Shanghai"
photoUrl: "https://firebasestorage.googleapis.
startAddress: "Boston, MA USA"
startLocation

trip-buddy-d9afb
tripHistory
trips
users
15DfwsBIM9RFKnq4ZCEtsPGxFEx1
age: "18"
favorite: "ssd"
name: "Jas Shou"
sex: "Male"
trips
2L3KR0y0VDNyKfsMcxhazn9WvDl1
age: "18"
email: "caozhongli1208@gmail.com"
favorite: "basketball"
groups
group_id: "place_id"
name: "Jeffery"
sex: "male"
3LloDXoub4gqtHGlQ0nTveErtrS2
6Q46aoK3nPQgg9UX6R5wc02gGMm1
CiJ31kt3ixX6zewlWYSZhL0E7483
Nu36kF143jRXLG3zUrDxUl0tHGG3

FireBase

users
15DfwsBIM9RFKnq4ZCEtsPGxFEx1
User id
age: "18"
favorite: "ssd"
name: "Jas Shou"
User basic Information
sex: "Male"
trips
ChIJMzz1sUBwsjURoWTDI5QSlQI
Destination Place ID
05_01_17
Time Stamp
activity: true
destinationAddress: "Shanghai, China"
destinationLocation
destinationName: "Shanghai"
photoUrl: "https://firebasestorage.googleapis.com/v0/b/tri..."
Point to the picture in storage
startAddress: "Boston, MA USA"
startLocation

FireBase


trips
ChIJ0bh5To5-UTERiBhLOnSHDo4
Destination place id
Boston, MA USA
Start place Id. we use this as unique key
3LloDXoub4gqtHGlQ0nTveErtrS2: true
6Q46aoK3nPQgg9UX6R5wc02gGMm1: true
fLg6dwh4GXbOOadTPWLgHv5F1GO2: true
hB3LIHlAqWeX7bcSL6aifTkAUer1: true
All this ids for the users who have this trip. True for active false for deactive

FireBase

Essentially, this is a backup table for users to track trip history. If a user delete a trip, we delete the associated trip in “user” to achieve real time updating in the main activity. And we setting “activity ” in this table to false on trip deleting

Demo