

Reading from a Firebase Database



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Overview



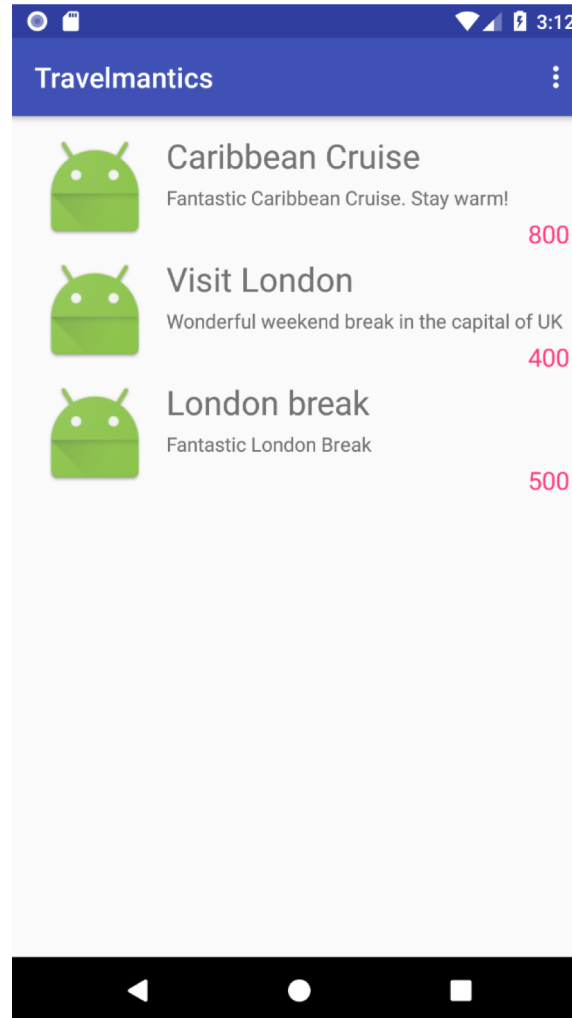
Listen to Data Changes

Showing Data to the User

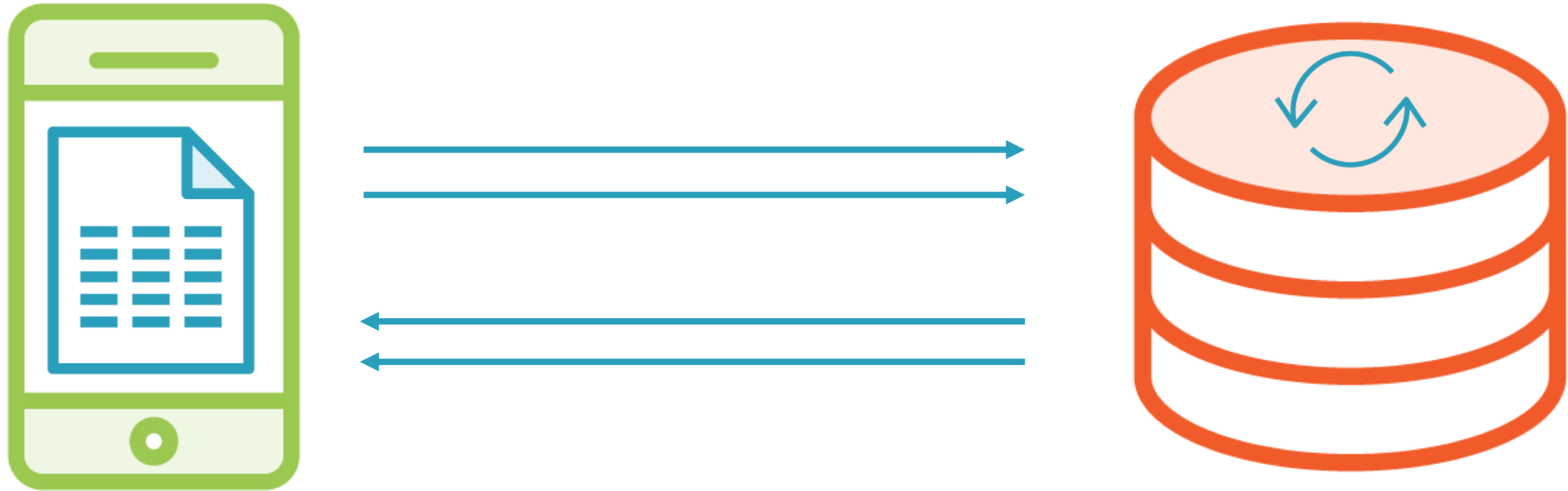
Using the key to update and delete



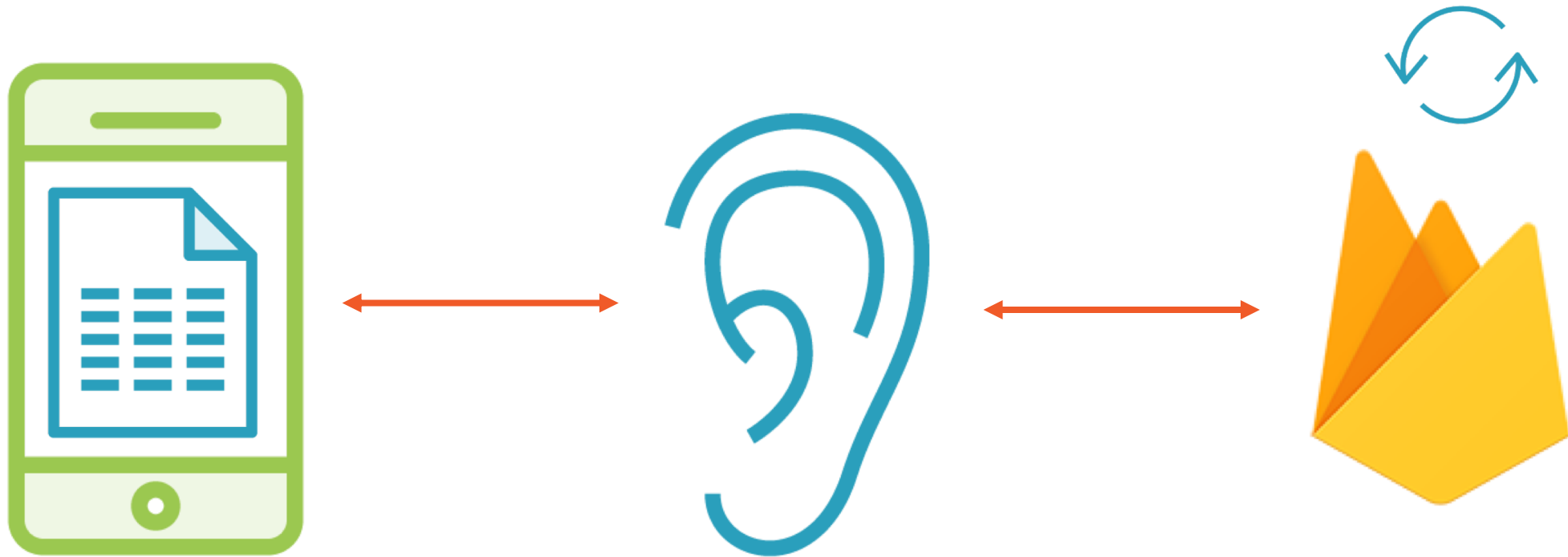
Travelmantics App



Connecting to a Database



Connecting to a Firebase Database



ChildEventListener



onChildAdded

onChildChanged

onChildRemoved

onChildMoved

onCancelled

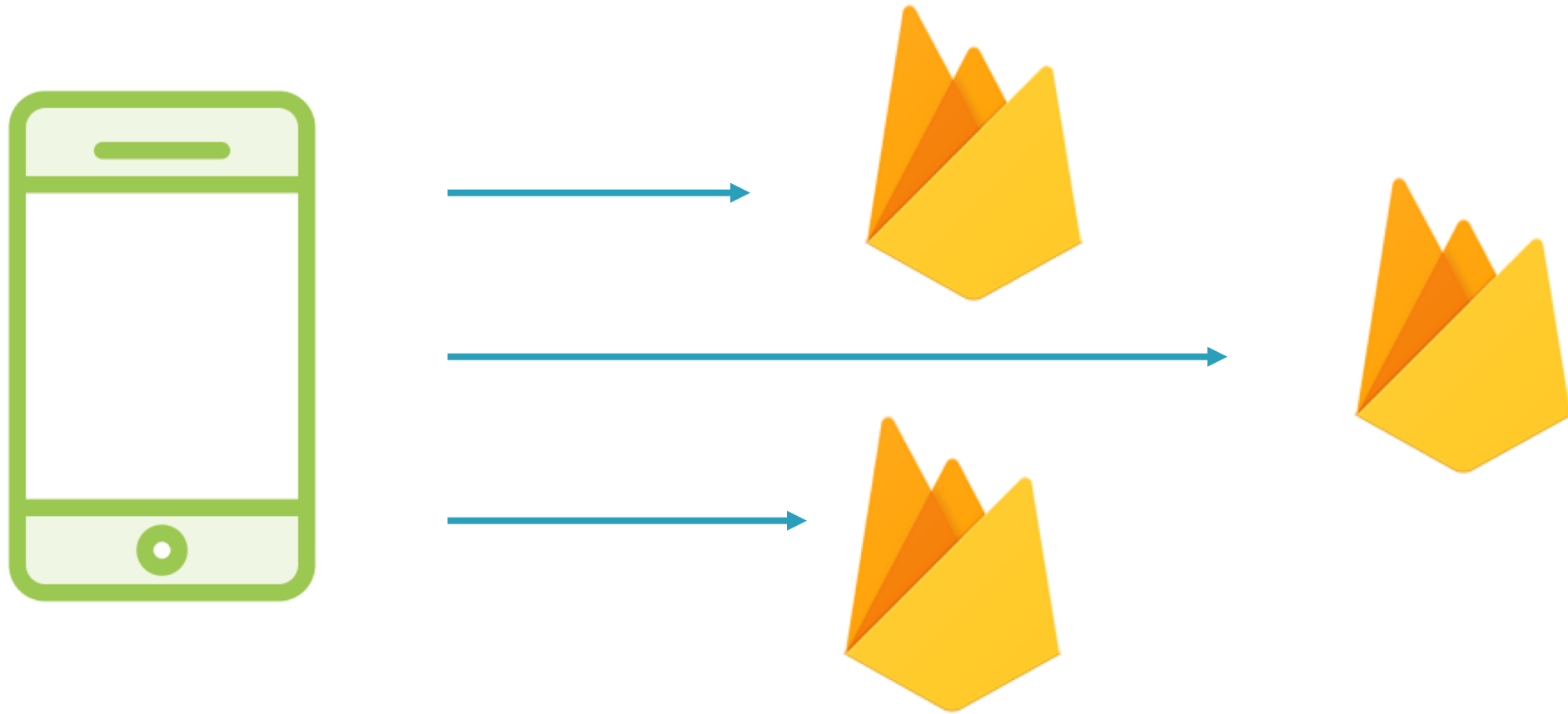


DataSnapshot

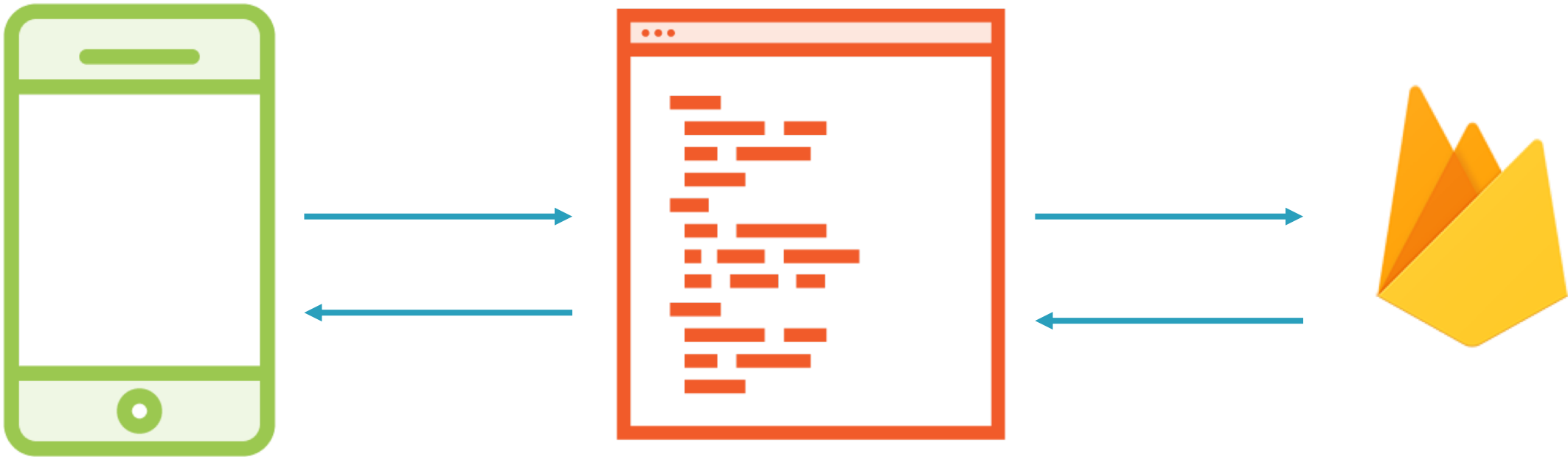
Immutable copies of the data at a Firebase Database location. They are passed to the methods in listeners



Dealing with Firebase



FirestoreUtil Class

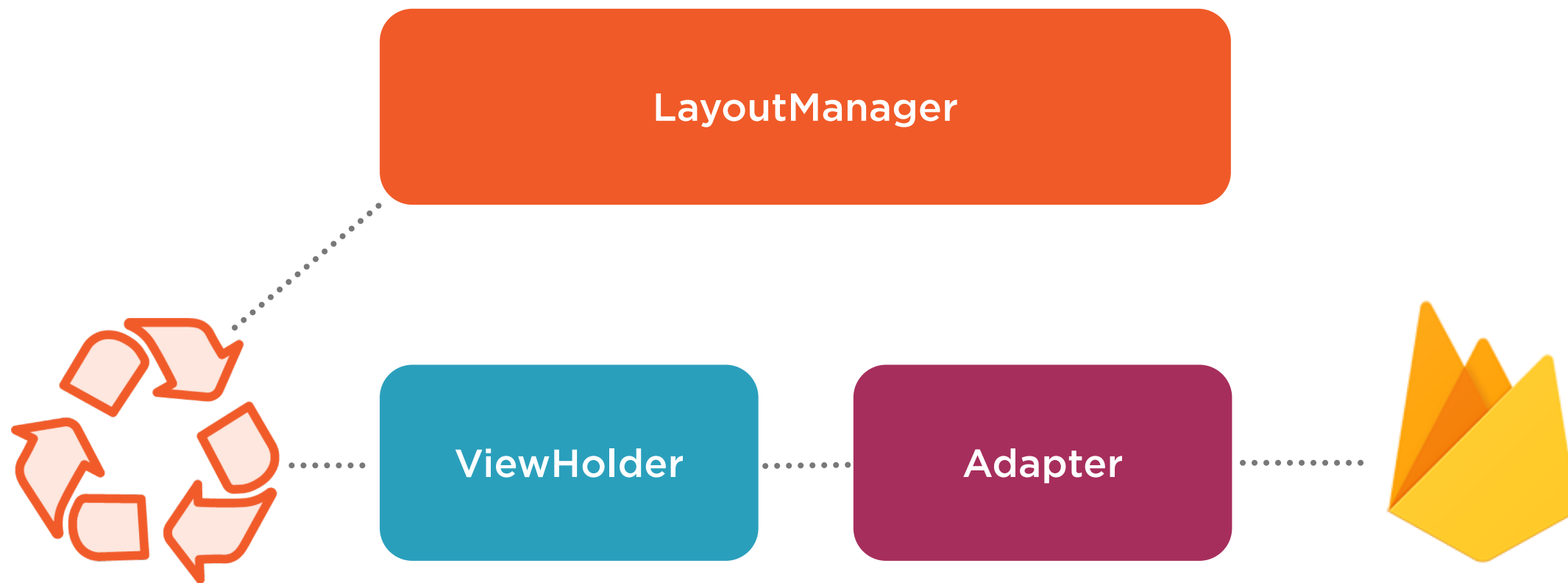


RecyclerView

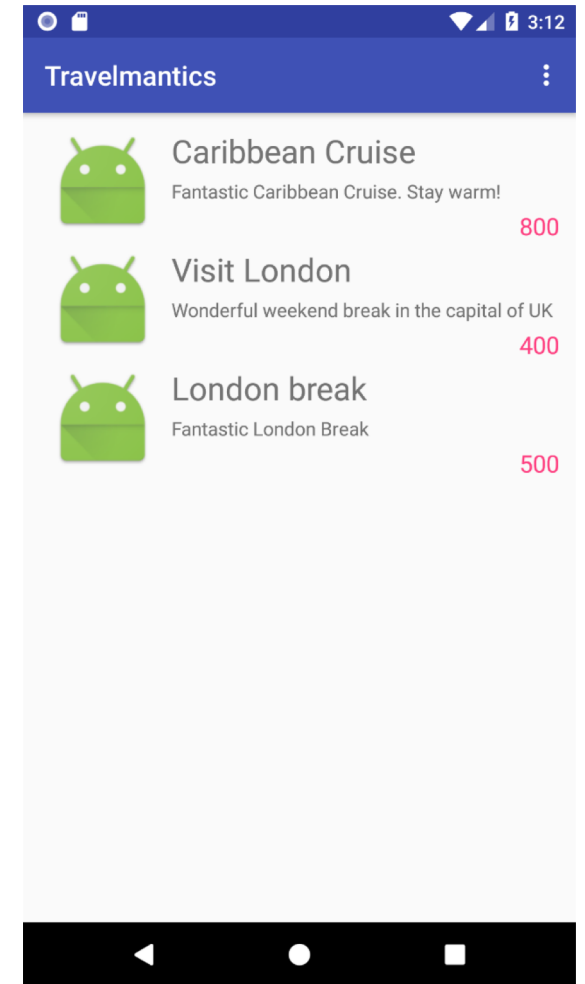
A flexible view for providing a limited window into a large data set



RecyclerView



The App so Far



```
ref.push().setValue(deal);
```

```
ref.child(deal.getId())  
  .setValue(deal);
```

```
ref.child(deal.getId())  
  .removeValue();
```

◀ Add a new node

◀ Edit an existing node

◀ Delete an existing node



Summary



Reading from a Firebase Realtime Database

- Listener
- DataSnapshot

Editing

- `ref.child(deal.getId()).setValue(deal);`

Deleting

- `ref.child(deal.getId()).removeValue();`

RecyclerView