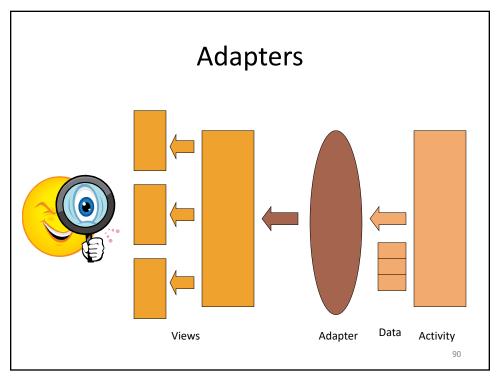
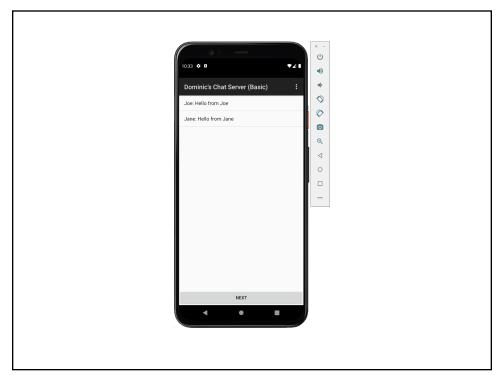


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## **Adapters**

- Bind data to user-interface views
- Create child views to represent each item
- Provide access to the underlying data
- Useful pre-defined adapter classes:
  - ArrayAdapter
    - Bind array of data to a view
  - SimpleCursorAdapter
    - Bind result of database query to a view



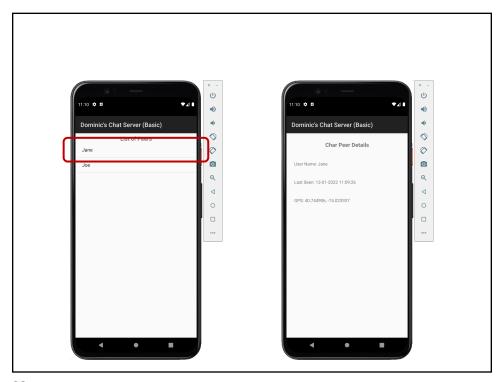


```
OnClickListener nextListener = new OnClickListener() {
   public void onClick(View v) {
        Message message; ...
        messages.add(message);
        arrayAdapter.notifyDataSetChanged();
   }
}

Button nextButton = (Button) findViewById(R.id.next);

nextButton.setOnClickListener(nextListener);

<
```



## CLinearLayout xmlns:android="..." android:layout\_width="match\_parent" android:layout\_height="match\_parent" android:orientation="vertical" android:padding="5dip"> ... <ListView android:layout\_width="match\_parent" android:layout\_width="match\_parent" android:layout\_width="match\_parent" android:layout\_weight="0dip" android:layout\_weight="1" > </ListView> </LinearLayout>