Mobile Application Development

Produced by

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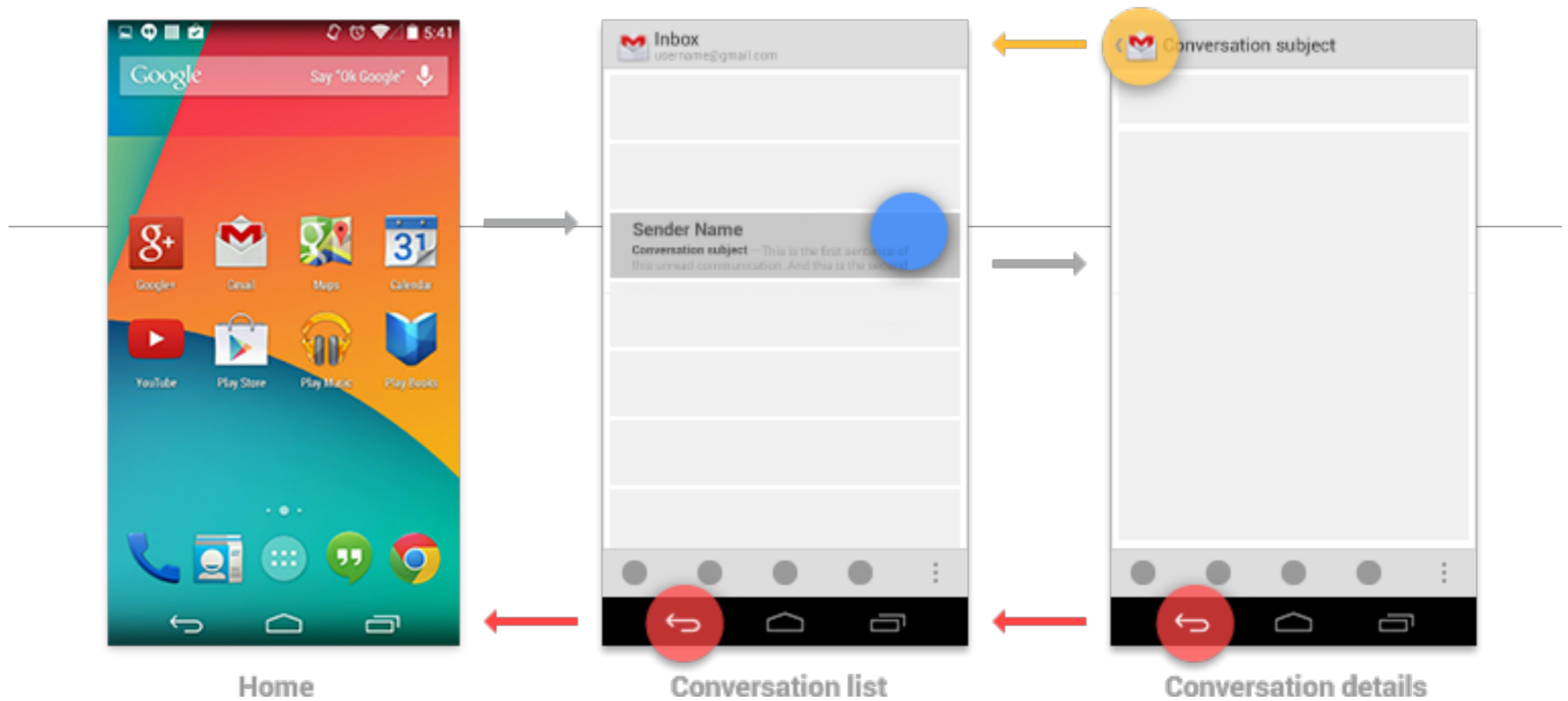http://www.wit.ie
http://elearning.wit.ie

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File IO in MyRent

Home — Conversation list — Conversation details
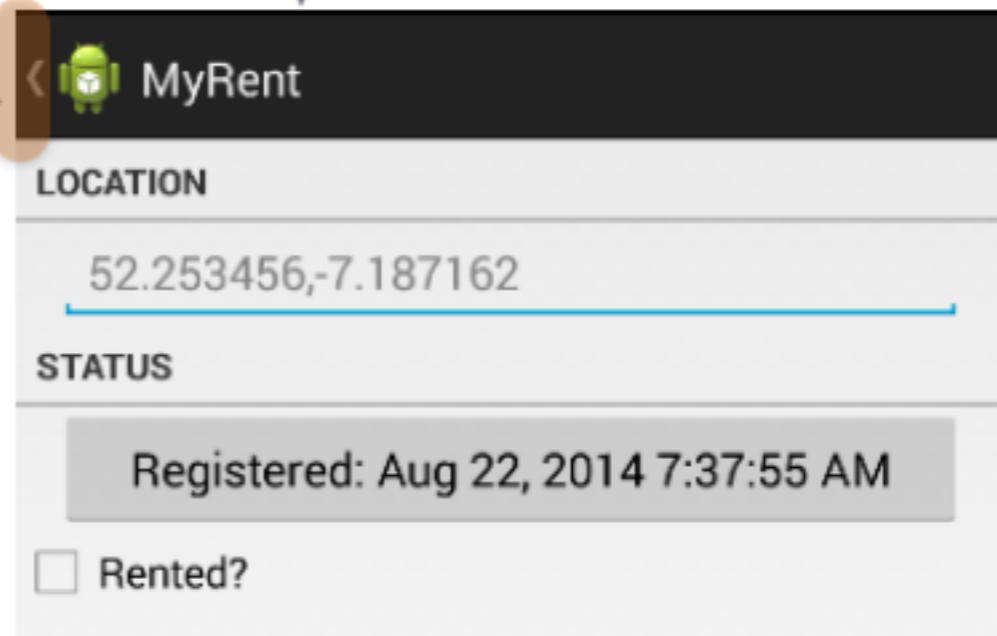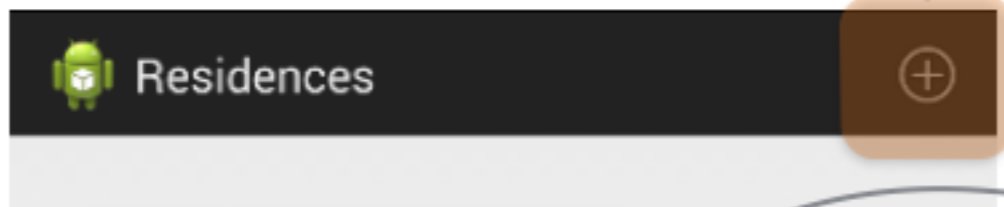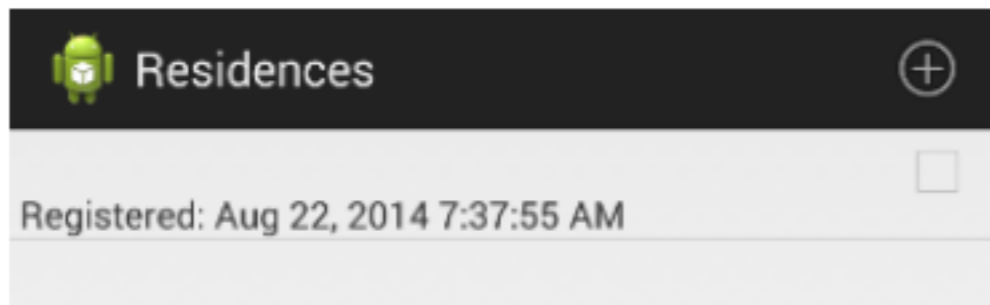
- When the previously viewed screen is also the hierarchical parent of the current screen, pressing the Back button has the same result as pressing an Up button—this is a common occurrence.

- However, unlike the Up button, which ensures the user remains within your app, the Back button can return the user to the Home screen, or even to a different app.

1. Menu item to add new residence

2. Detail view new residence

Residences ⊕

3. Up button

MyRent

LOCATION

52.253456,-7.187162

STATUS

Registered: Aug 22, 2014 7:37:55 AM

☐ Rented?

Residences ⊕

Registered: Aug 22, 2014 7:37:55 AM

4. Press Up button to return to list

ResidenceActivity

- "Up" support not available by default

- Needs to be explicitly programmed

Enabling Up support - IntentHelpers

- Introduce helper to encapsulate up navigation

```java
public static void navigateUp(Activity parent)
{
    Intent upIntent = NavUtils.getParentActivityIntent(parent);
    NavUtils.navigateUpTo(parent, upIntent);
}
```

ResidenceActivity

- Enable Up Button in Action Bar

```java
@Override
public void onCreate(Bundle savedInstanceState)
{
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_residence);
    getActionBar().setDisplayHomeAsUpEnabled(true);
    ...
}
```

---

public boolean onOptionsItemSelected (MenuItem item)   Added in API level 1

This hook is called whenever an item in your options menu is selected. The default implementation simply returns false to have the normal processing happen (calling the item's Runnable or sending a message to its Handler as appropriate). You can use this method for any items for which you would like to do processing without those other facilities.

Derived classes should call through to the base class for it to perform the default menu handling.

Parameters

item   The menu item that was selected.

Returns

boolean Return false to allow normal menu processing to proceed, true to consume it here.

See Also

onCreateOptionsMenu(Menu)
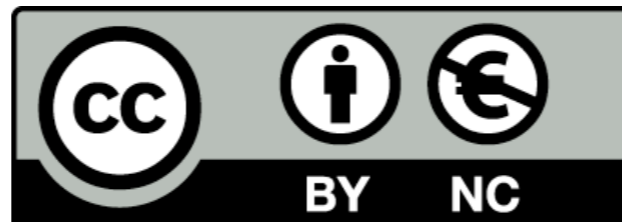
ResidenceActivity

- Override onOptionsItemSelected method

```java
@Override
public boolean onOptionsItemSelected(MenuItem item)
{
  switch (item.getItemId())
  {
    case android.R.id.home:  navigateUp(this);
                             return true;
  }
  return super.onOptionsItemSelected(item);
}
```

ResidenceActivity

- Declare ResidenceListActivity as the 'parent' of ResidenceActivity in manifest

```xml
<activity
  android:name=".activities.ResidenceActivity"
  android:label="@string/app_name" >
  <meta-data android:name="android.support.PARENT_ACTIVITY" android:value=".activities.ResidenceListActivity"/>
</activity>
```

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