Mobile Application Development

Higher Diploma in Science in Computer Science

Produced by

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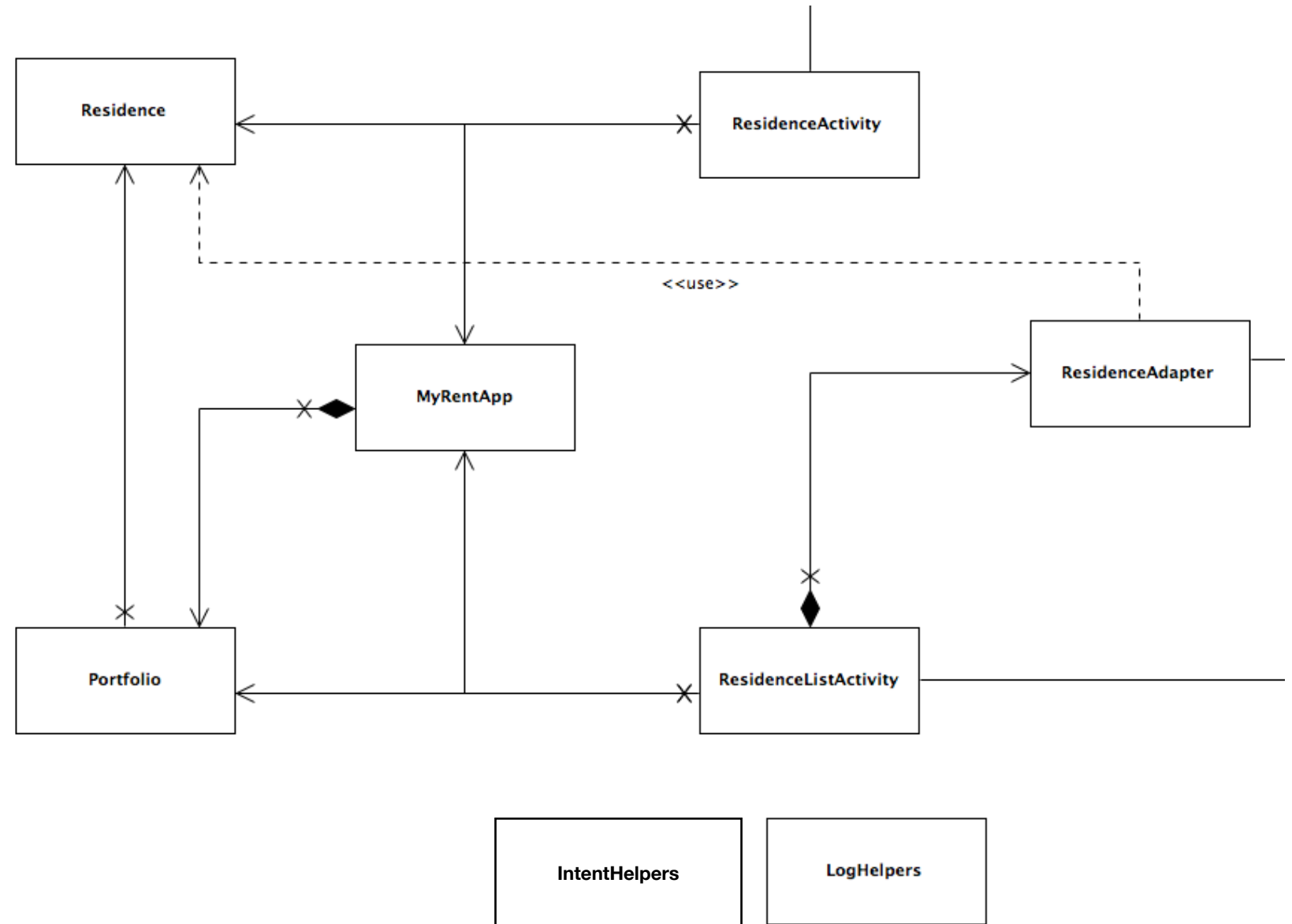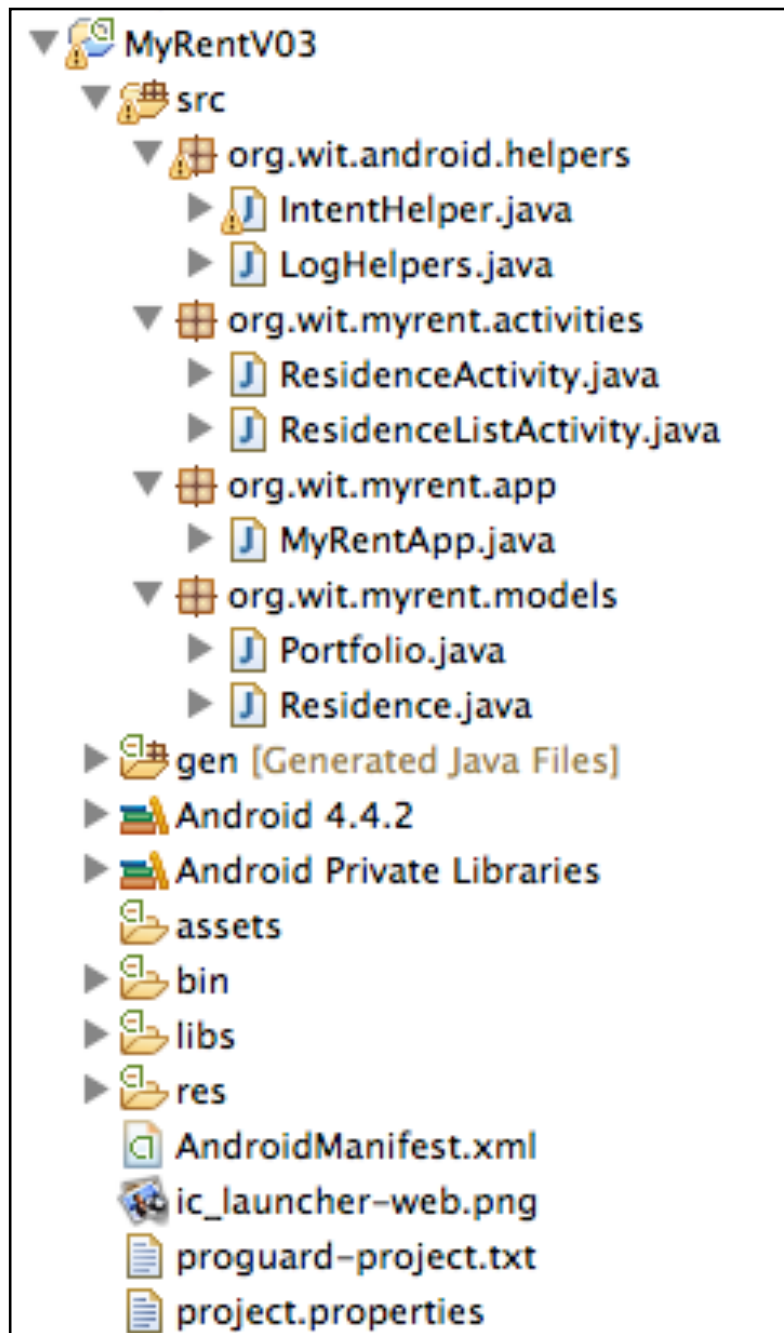Department of Computing, Maths & Physics
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MyRent v03

MyRentV03

MyRent

Registered: Oct 6, 2014 3:00:11 PM

34.4, 23.3
Registered: Oct 6, 2014 3:00:24 PM

MyRent

LOCATION

52.253456,-7.187162

STATUS

Registered: Oct 6, 2014 3:00:50 PM
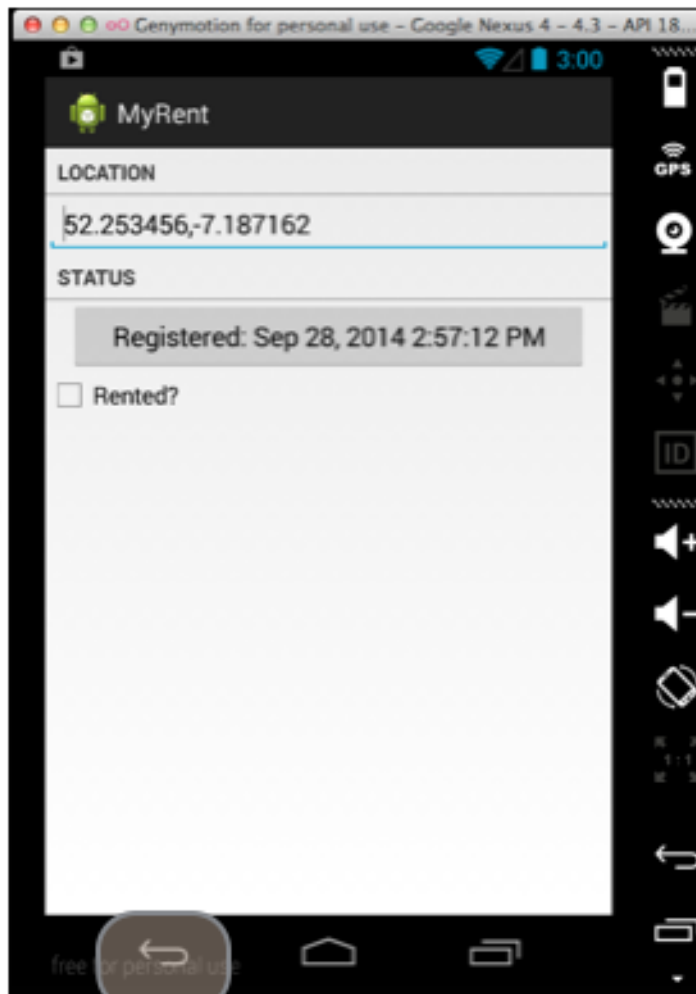
Rented?

Mon, Oct 6, 2014
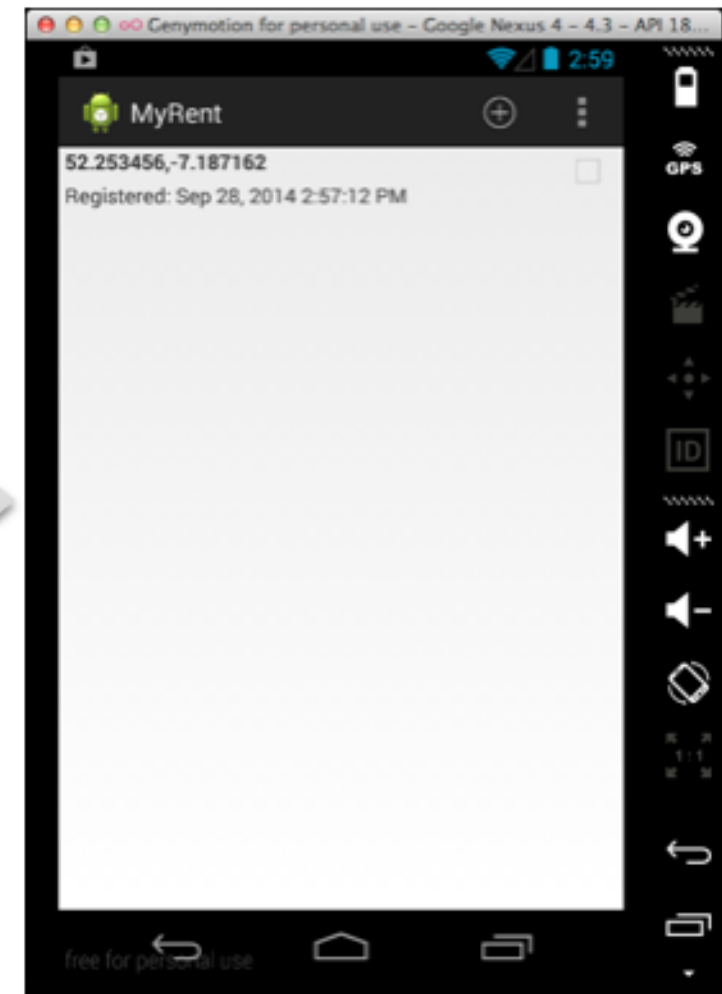
Sep	05	2013
Oct	06	2014
Nov	07	2015

Done

residencelist.xml

```xml
<menu xmlns:android="http://schemas.android.com/apk/res/android"
xmlns:tools="http://schemas.android.com/tools"
tools:context="org.wit.myrent.MyRentActivity" >

    <item android:id="@+id/menu_item_new_residence"
        android:icon="@android:drawable/ic_menu_add"
        android:title="@string/new_residence"
        android:showAsAction="ifRoom|withText"/>

    <item
        android:id="@+id/action_settings"
        android:orderInCategory="100"
        android:showAsAction="never"
        android:title="@string/settings"/>

</menu>
```

New residence menu item

Action overflow

MyRent

Press to switch to detail view

Press back-button for list view

ResidenceList

```java
public class ResidenceListActivity extends Activity implements OnItemClickListener
{
  //…

  @Override
  public boolean onCreateOptionsMenu(Menu menu)
  {
    MenuInflater menuInflater = getMenuInflater();
    menuInflater.inflate(R.menu.residencelist, menu);
    return true;
  }

  @Override
  public boolean onOptionsItemSelected(MenuItem item)
  {
    switch (item.getItemId())
    {
      case R.id.menu_item_new_residence: Residence residence = new Residence();
                                          portfolio.addResidence(residence);
                                          startActivityWithDataForResult(this, ResidenceActivity.class, "RESIDENCE_ID", residence.id, 0);
                                          return true;

      default:                            return super.onOptionsItemSelected(item);
    }
  }
}
```

```java
public class ResidenceListActivity extends Activity implements OnItemClickListener
{
  //…

  @Override
  public void onItemClick(AdapterView<?> parent, View view, int position, long id)
  {
    Residence residence = adapter.getItem(position);
    startActivityWithData(this, ResidenceActivity.class, "RESIDENCE_ID", residence.id);
  }

  @Override
  public void onActivityResult(int requestCode, int resultCode, Intent data)
  {
    adapter.notifyDataSetChanged();
  }
```

ResidenceActivity


```java
public class ResidenceActivity extends Activity implements TextWatcher,
                                            OnCheckedChangeListener,
                                            OnClickListener,
                                            DatePickerDialog.OnDateSetListener

  //…
{
  @Override
  public void onClick(View v)
  {
    switch (v.getId())
    {
      case R.id.registration_date        : Calendar c = Calendar.getInstance();
                                  DatePickerDialog dpd = new DatePickerDialog (this, this,
                                                    c.get(Calendar.YEAR),
                                                    c.get(Calendar.MONTH),
                                                    c.get(Calendar.DAY_OF_MONTH));
                                  dpd.show();
                                  break;
    }
  }

  @Override
  public void onDateSet(DatePicker view, int year, int monthOfYear, int dayOfMonth)
  {
    Date date = new GregorianCalendar(year, monthOfYear, dayOfMonth).getTime();
    residence.date = date;
    dateButton.setText(residence.getDateString());
  }
}
```
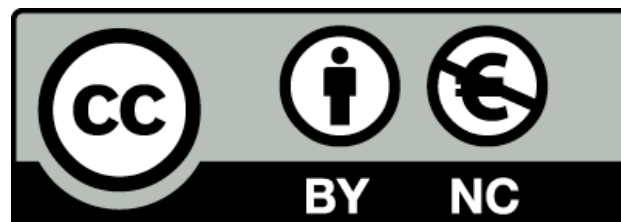
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