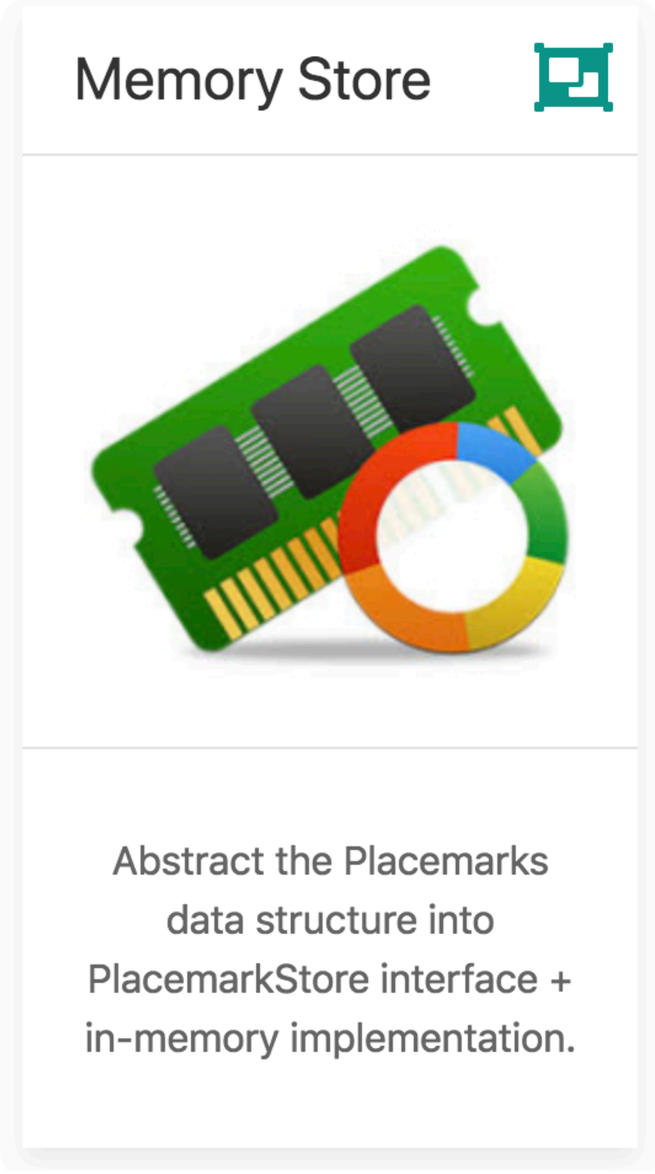
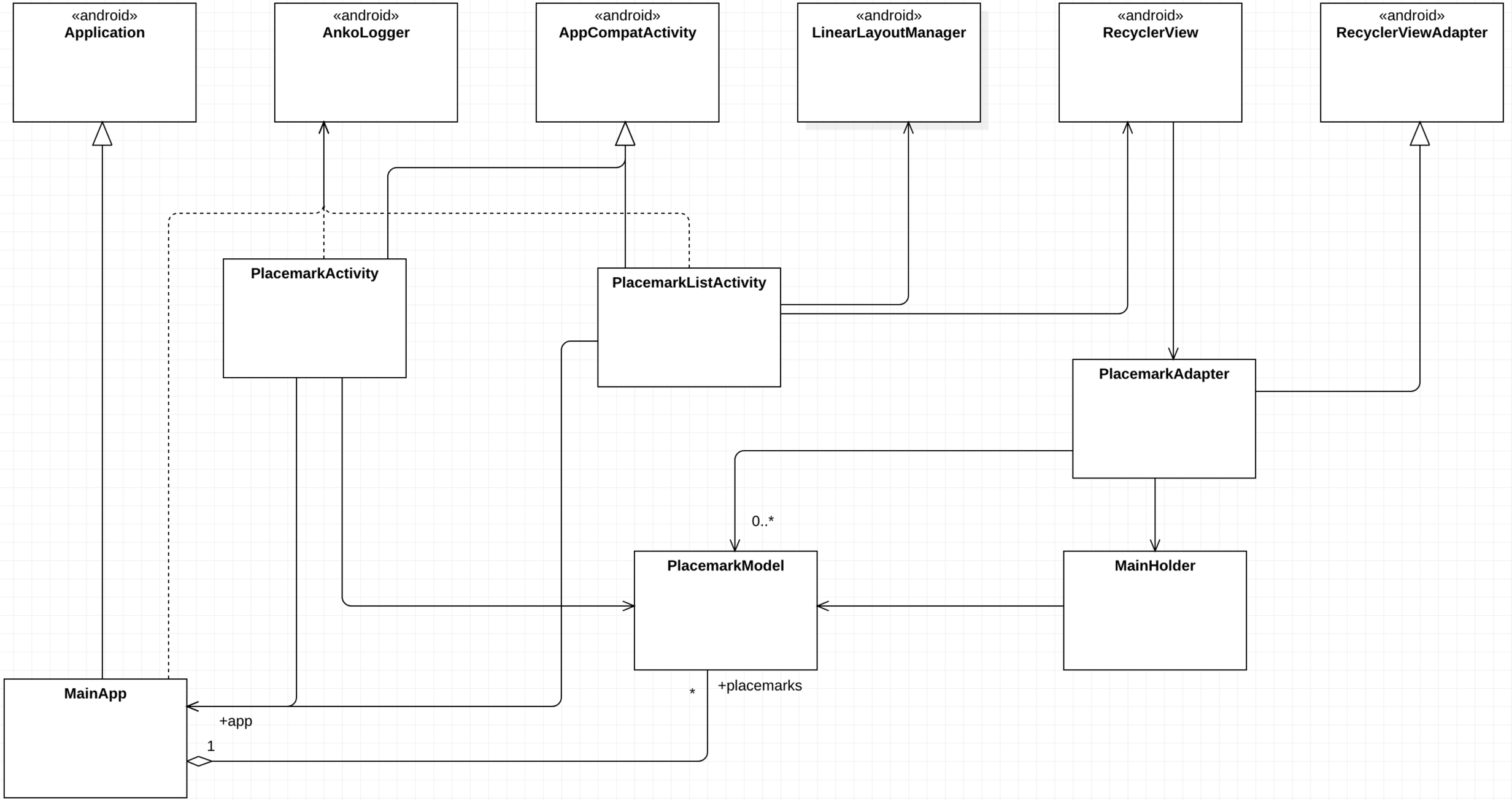
Memory Store




«android»
Application
«android»
AnkoLogger
«android»
AppCompatActivity
«android»
LinearLayoutManager
«android»
RecyclerView
«android»
RecyclerViewAdapter
PlacemarkActivity
PlacemarkListActivity
PlacemarkAdapter
0..*
PlacemarkModel
MainHolder
MainApp
*
+placemarks
+app
1

PlacemarkStore

```
package org.wit.placemark.models

interface PlacemarkStore {
  fun findAll(): List<PlacemarkModel>
  fun create(placemark: PlacemarkModel)
}
```

Interface defining an abstract PlacemarkStore *type*

PlacemarkMemStore

```
package org.wit.placemark.models

class PlacemarkMemStore : PlacemarkStore {

  val placemarks = ArrayList<PlacemarkModel>()

  override fun findAll(): List<PlacemarkModel> {
    return placemarks
  }

  override fun create(placemark: PlacemarkModel) {
    placemarks.add(placemark)
  }
}
```

Simple in-memory implementation using standard ArrayList Data Structure

PlacemarkStore

```
package org.wit.placemark.models

interface PlacemarkStore {
  fun findAll(): List<PlacemarkModel>
  fun create(placemark: PlacemarkModel)
}
```

PlacemarkMemStore

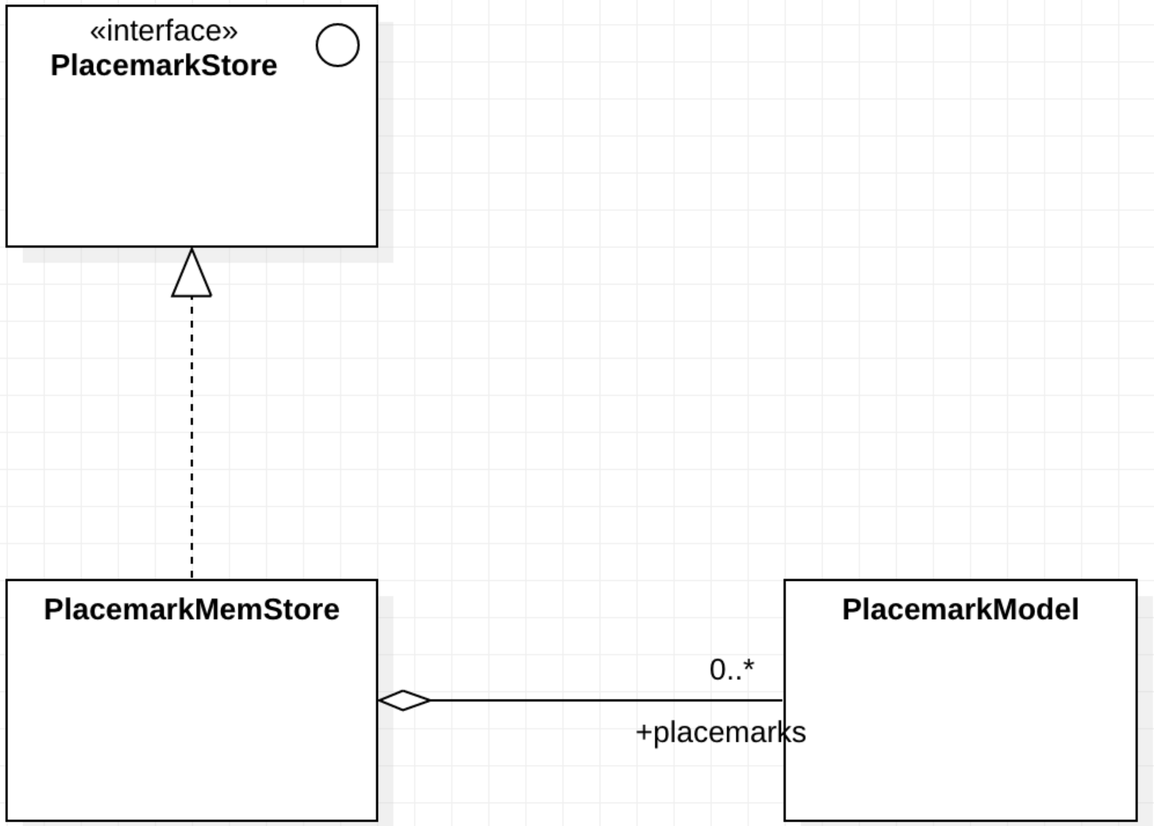
```
package org.wit.placemark.models

class PlacemarkMemStore : PlacemarkStore {

  val placemarks = ArrayList<PlacemarkModel>()

  override fun findAll(): List<PlacemarkModel> {
    return placemarks
  }

  override fun create(placemark: PlacemarkModel) {
    placemarks.add(placemark)
  }
}
```



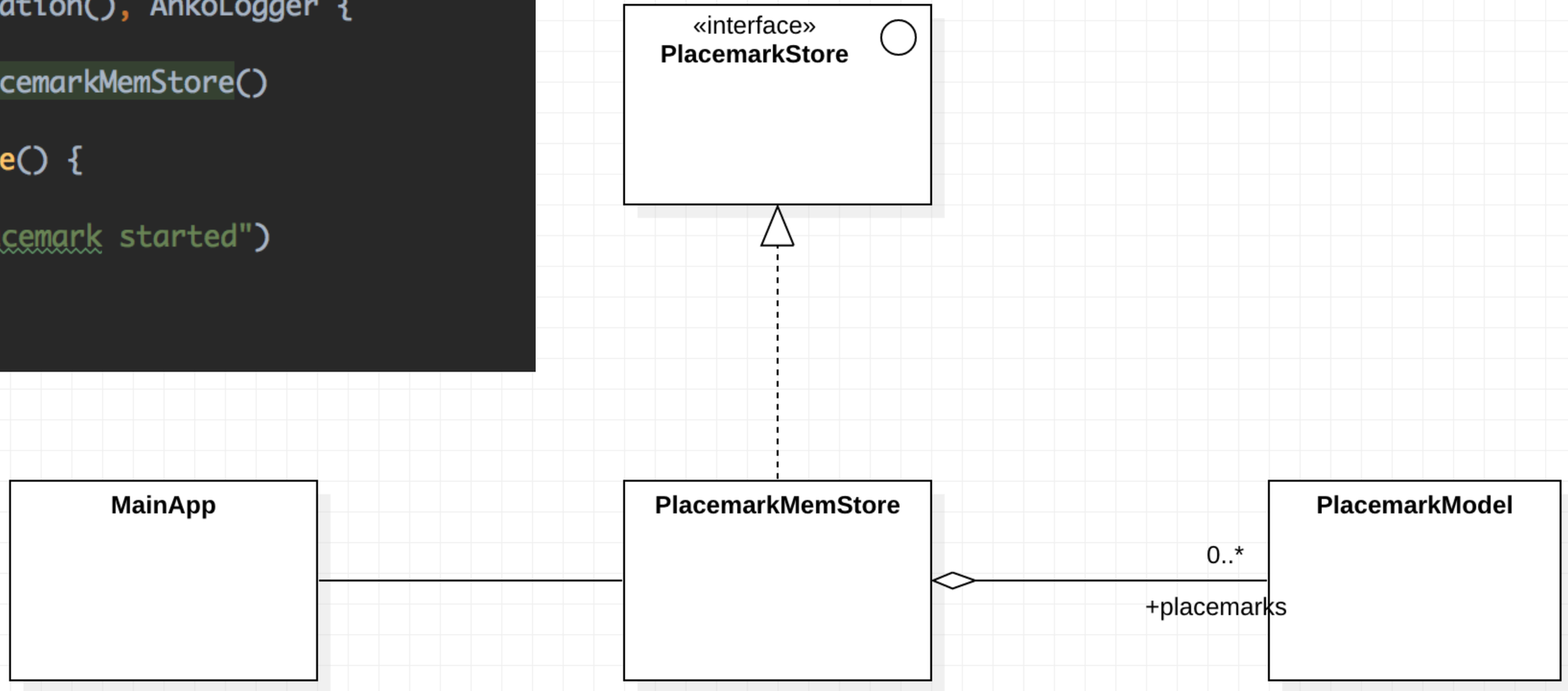
```kotlin
package org.wit.placemark.main

import android.app.Application
import org.jetbrains.anko.AnkoLogger
import org.jetbrains.anko.info
import org.wit.placemark.models.PlacemarkMemStore
import org.wit.placemark.models.PlacemarkModel

class MainApp : Application(), AnkoLogger {

  val placemarks = PlacemarkMemStore()

  override fun onCreate() {
    super.onCreate()
    info( message: "Placemark started")
  }
}
```



PlacemarkListActivity

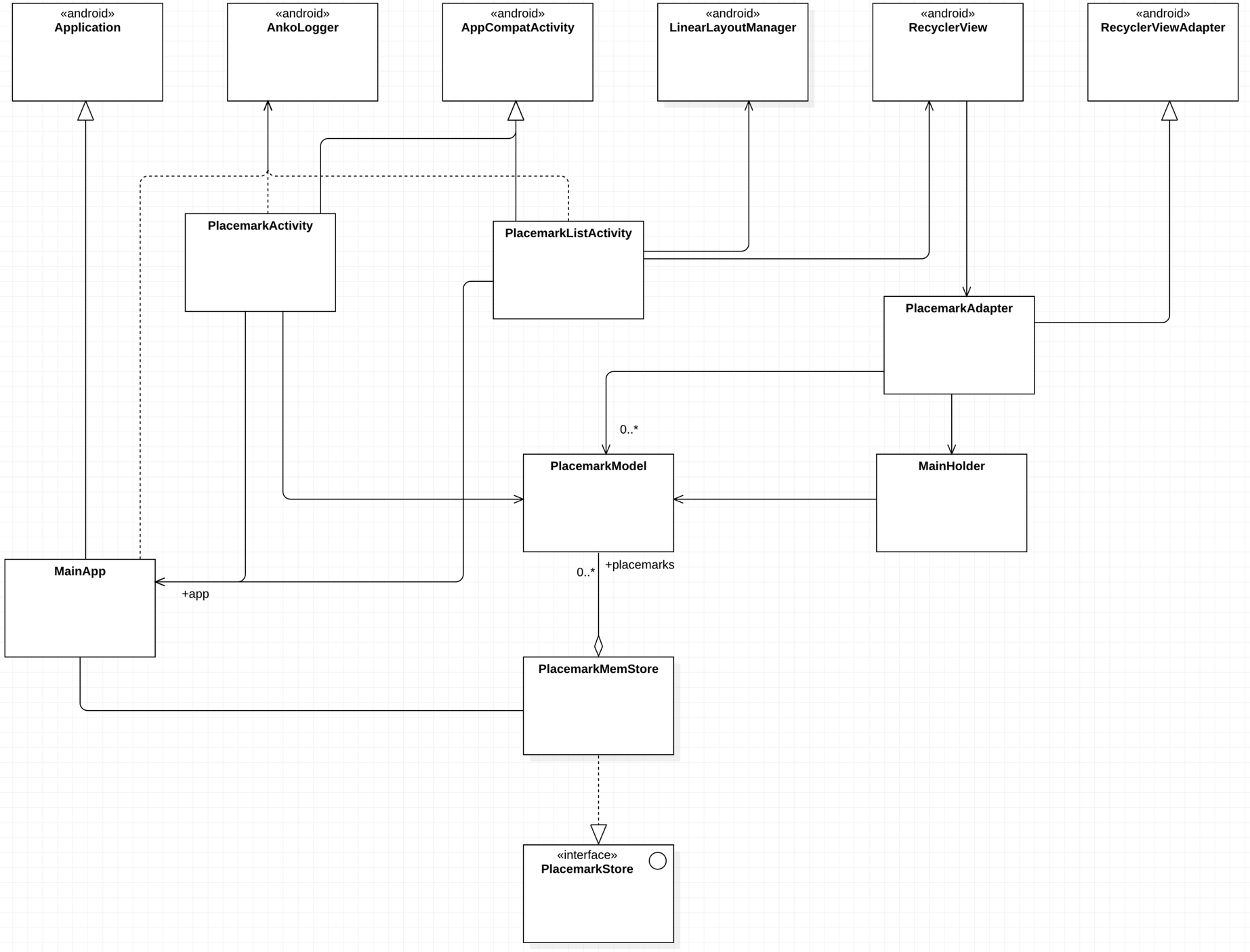
```
// recyclerView.adapter = PlacemarkAdapter(app.placemarks)
recyclerView.adapter = PlacemarkAdapter(app.placemarks.findAll())
```

PlacemarkActivity

```
// app.placemarks.add(placemark.copy())
app.placemarks.create(placemark.copy())

...
// app.placemarks.forEach { info("add Button Pressed: ${it}") }
app.placemarks.findAll().forEach{ info("add Button Pressed: ${it}") }
...
```

Use PlacemarkStore interface instead of directly accessing placemarks ArrayList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0..*
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0..*
+placemarks
+app
PlacemarkMemStore
«interface»
PlacemarkStore