

# Gallery App

STIRLING ART GALLERY

## Gallery - Statues

### Communication



### Demographics

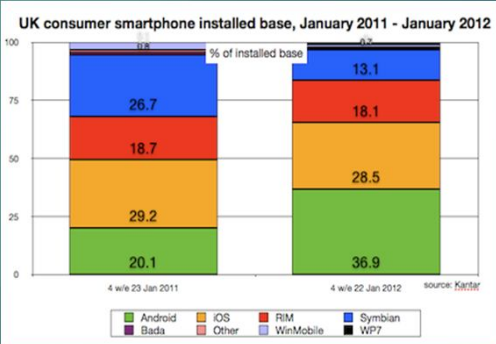
<b>United Kingdom</b>	Population
	63,182,000
<b>Mobile Phones</b>	75,750,000
<b>Averages at</b>	1.3 phones per person

# Gallery - Statues

## Demographics for Britain



Android population growing by 2.3 million over IOS

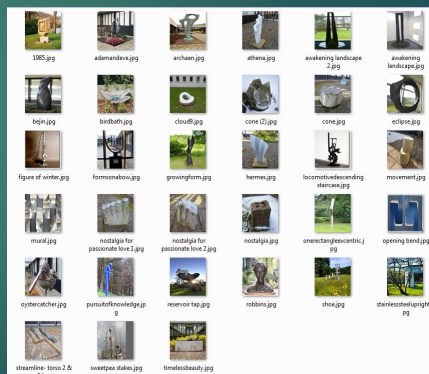


# Gallery - Statues

## University Ground

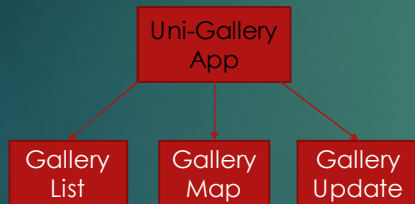


Below are the statues that are displayed around the campus.



# Gallery - Statues

## Hierarchy



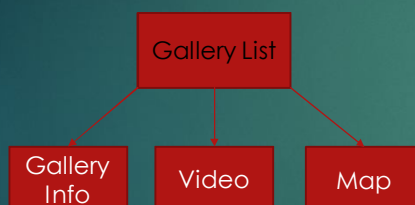
- ▶ Adapters
- ▶ Google Maps
- ▶ Google Youtube Video
- ▶ XML – Terminal 4

## Required

- ▶ Modified Adapter class to link database with list.
- ▶ Import Google Play Services
  - ▶ Also Support Library
- ▶ Streams?
  - ▶ Guaranteed or not?

# Gallery - Statues

## Gallery List functionality



## Functional Activities

- ▶ Gallery Info
  - ▶ Provides picture, and descriptive text.
  - ▶ Link(s) to Video (activity)
  - ▶ Link to Map
    - ▶ Showing relative position to statue.

# Gallery - Statues

Statues around campus



Location coming from list view



# Gallery-App

List View

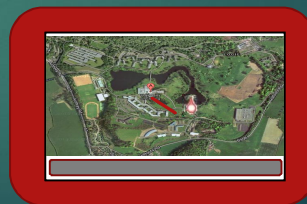


Picture



Video

Map Location



# Gallery

- ▶ URL (local)
  - ▶ Provides a stream
    - ▶ Read the stream
    - ▶ Write the stream (byte)
- ▶ XML helper
  - ▶ Reads XML
    - ▶ Gets data(pics)
      - ▶ Converts and sticks them in database
      - ▶ With comments etc.
- ▶ List View
  - ▶ Open database
    - ▶ Read using adapter for list
    - ▶ Setup onItemClick
      - ▶ Intent – add and call
- ▶ Gallery Info
  - ▶ DisplayData
  - ▶ Displaybuttons (video/map)
    - ▶ OnButton – call intent(video/map) with data

# Gallery

- ▶ Maps
  - ▶ Get data
    - ▶ Plot points
- ▶ Video
  - ▶ Get data
    - ▶ Run Video
- ▶ Update Gallery
  - ▶ Connect to Terminal 4
    - ▶ URL – read the stream
    - ▶ Write the stream (byte)
- ▶ XML helper
  - ▶ Reads XML
    - ▶ Gets data(pics)
      - ▶ Converts and sticks them in database
      - ▶ With comments etc.