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# 簡介

以綠色能源建築為主題，讓使用者使用本 App 時，能快速查詢到自己所需的綠建築資訊



# DEMO

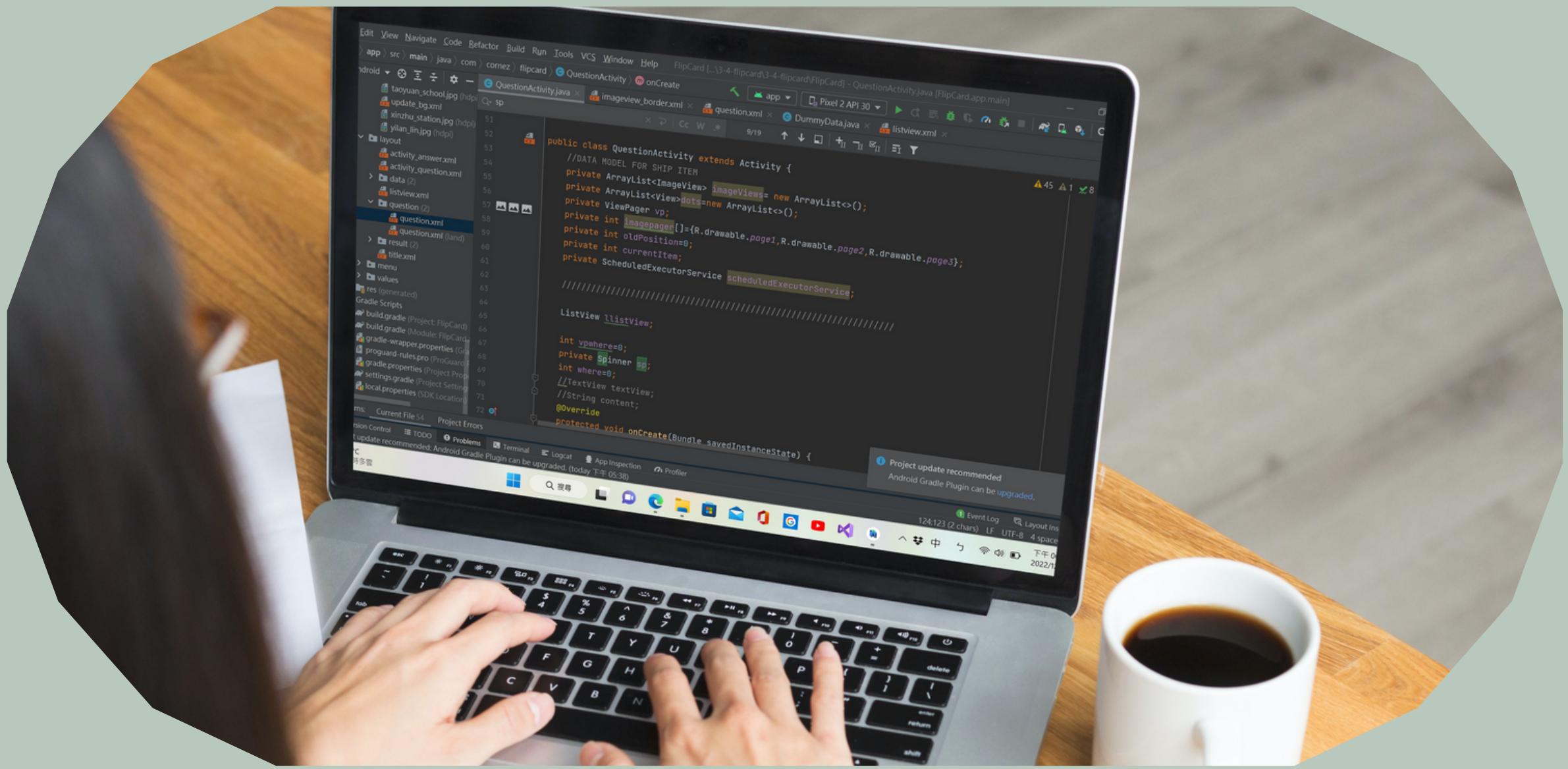
YouTube連結

[https://youtu.be/nFhIFLZ\\_IUo](https://youtu.be/nFhIFLZ_IUo)

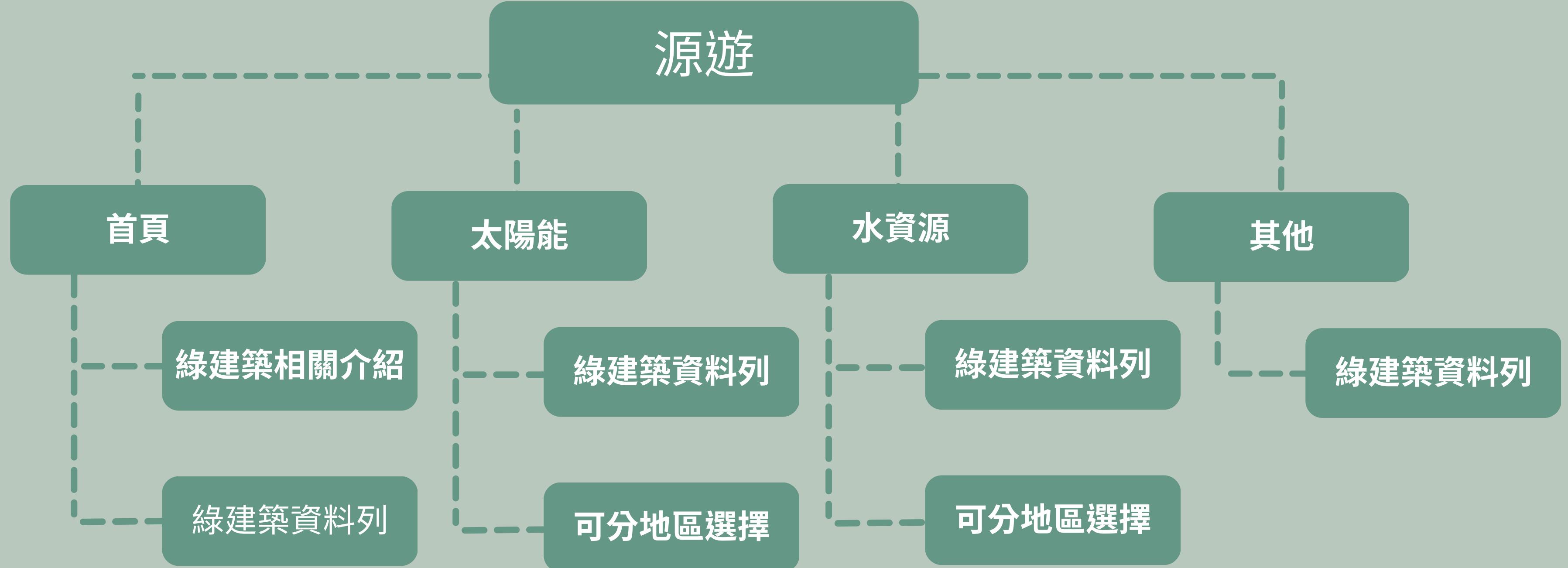
下載連結

[https://drive.google.com/file/d/1rLAjy\\_9CvtDvlhi8G2f25hJMSdbEn59O/view?usp=share\\_link](https://drive.google.com/file/d/1rLAjy_9CvtDvlhi8G2f25hJMSdbEn59O/view?usp=share_link)

# DEMO TIME

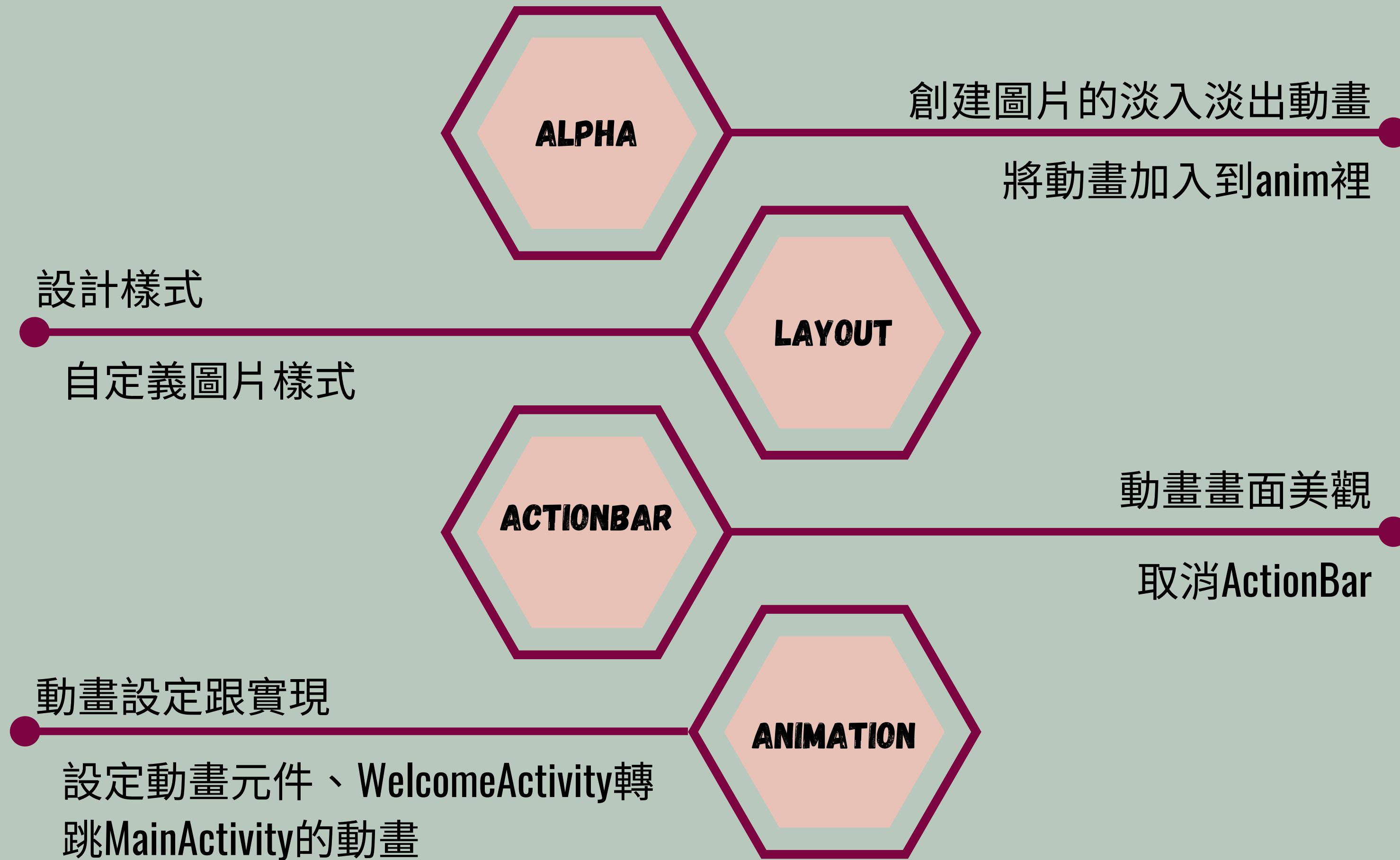


# 源遊



歡迎動畫







# ALPHA

```
<alpha  
    android:duration = "2000"  
    android:fromAlpha="0.0"  
    android:toAlpha = "1.0"  
/>
```



# ALPHA

```
<alpha  
    android:duration = "5000"  
    android:fromAlpha="1.0"  
    android:toAlpha = "1.0"  
/>
```



# ALPHA

```
<alpha  
    android:duration = "5000"  
    android:fromAlpha="1.0"  
    android:toAlpha = "0.0"  
/>
```

# ANIMATION

```
Animation animation =  
    AnimationUtils.loadAnimation(this,R.anim.welcome_anim);  
  
animation.setFillEnabled(true);  
  
animation.setFillAfter(true);  
  
animation.setAnimationListener(  
    Animation.AnimationListener) WelcomeActivity.this);  
  
imageView.setAnimation(animation);
```

# ANIMATION

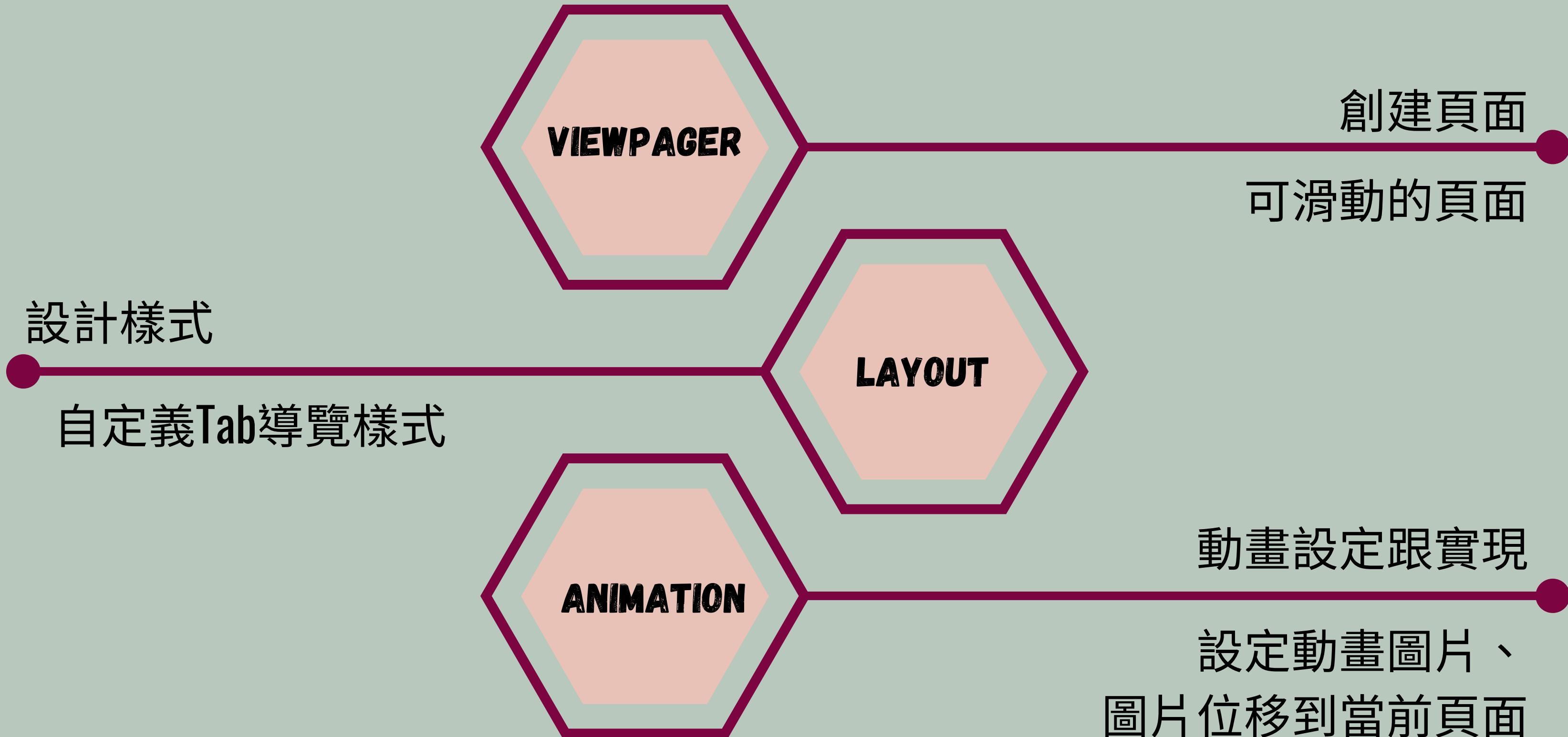
```
public void onAnimationStart(Animation animation) {}
```

```
public void onAnimationEnd(Animation animation) {  
    startActivity(new  
Intent(context,MainActivity.class));  
    finish();  
}
```

```
public void onAnimationRepeat(Animation animation) {}
```

# Tab導覽





# ANIMATION

```
private void initPagerViewer() {  
    pager = (ViewPager) findViewById(R.id.viewpage);  
    final ArrayList<View> list = new ArrayList<View>();  
    Intent intent = new Intent(context, home.class);  
    list.add(getView("home", intent));  
    Intent intent2 = new Intent(context, sun.class);  
    list.add(getView("sun", intent2));  
    Intent intent3 = new Intent(context, water.class);  
    list.add(getView("water", intent3));  
    Intent intent4 = new Intent(context, other.class);  
    list.add(getView("other", intent4));  
  
    pager.setAdapter(new MyPagerAdapter(list));  
    pager.setCurrentItem(0);  
    pager.setOnPageChangeListener(new MyOnPageChangeListener());  
}
```

# ANIMATION

```
private void initTextView() {  
    t1 = (TextView) findViewById(R.id.text_1);  
    t2 = (TextView) findViewById(R.id.text_2);  
    t3 = (TextView) findViewById(R.id.text_3);  
    t4 = (TextView) findViewById(R.id.text_4);  
  
    t1.setOnClickListener(new MyOnClickListener(0));  
    t2.setOnClickListener(new MyOnClickListener(1));  
    t3.setOnClickListener(new MyOnClickListener(2));  
    t4.setOnClickListener(new MyOnClickListener(3));  
}
```

# ANIMATION

// 頁卡切換監聽

```
public class MyOnPageChangeListener  
implements OnPageChangeListener{
```

// 頁卡1 -> 頁卡2 偏移量

```
int one = offset * 2 + 270;
```

// 頁卡1 -> 頁卡3 偏移量

```
int two = one * 2;
```

// 頁卡1 -> 頁卡4 偏移量

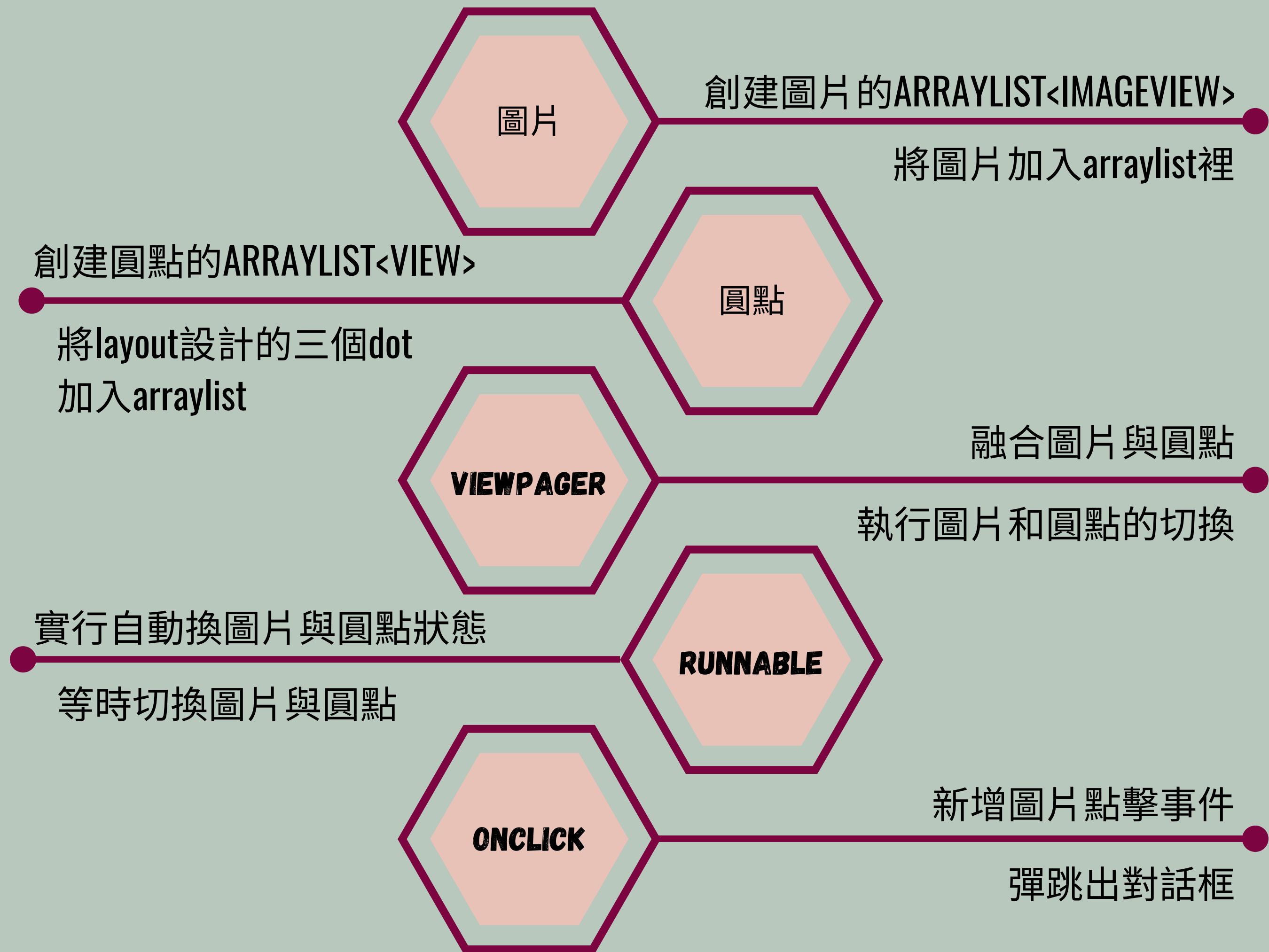
```
int three = one*3;
```

# ANIMATION

```
if (currIndex == 0) {  
    animation = new TranslateAnimation(offset, 0, 0, 0);  
}else if (currIndex == 1) {  
    animation = new TranslateAnimation(one, 0, 0, 0);  
} else if (currIndex == 2) {  
    animation = new TranslateAnimation(two, 0, 0, 0);  
}else if (currIndex == 3) {  
    animation = new TranslateAnimation(three, 0, 0, 0);  
}
```



自動  
切換  
圖片



# 圖片與圓點

```
for (int i=0;i<imagepager.length;i++){
    ImageView imageView=new ImageView(this);
    imageView.setImageResource(imagepager[i]);
    imageViews.add(imageView);
}
//顯示的點集合
dots.add(findViewById(R.id.p1));
dots.add(findViewById(R.id.p2));
dots.add(findViewById(R.id.p3));

vp=findViewById(R.id.viewContent);
vp.setAdapter(new QuestionActivity.ViewPagerAdapter());

vp.setOnPageChangeListener(new ViewPager.OnPageChangeListener() {
    @Override
    public void onPageScrolled(int position, float positionOffset, int positionOffsetPixels) {

    }

    @Override
    public void onPageSelected(int position) {
        //點的效果切換
        dots.get(oldPosition).setBackgroundResource(R.drawable.dot_normal);
        dots.get(position).setBackgroundResource(R.drawable.dot_focus);
        oldPosition=position;
        currentItem=position;
    }

    @Override
    public void onPageScrollStateChanged(int state) {
    }
});
```

# 定時切換

```
@Override  
protected void onStart() {  
    super.onStart();  
    scheduledExecutorService=  
    Executors.newSingleThreadScheduledExecutor();  
    scheduledExecutorService.scheduleWithFixedDelay(new  
QuestionActivity.ViewPagerAdapterTask(),3,3, TimeUnit.SECONDS);  
}  
class ViewPagerAdapterTask implements Runnable{  
  
    @Override  
    public void run() {  
        currentItem=(currentItem+1)%imagepager.length;  
        handler.obtainMessage().sendToTarget();  
    }  
}  
Handler handler=new Handler(){  
    @Override  
    public void handleMessage(@NonNull Message msg) {  
        vp.setCurrentItem(currentItem);  
    }  
};
```

# 點擊事件

```
class ViewPagerAdapter extends PagerAdapter {  
  
    @Override  
    public void destroyItem(@NonNull ViewGroup container, int position, @NonNull Object object) {  
        View v=imageViews.get(position);  
        container.removeView(v);  
    }  
  
    @NonNull  
    @Override  
    public Object instantiateItem(@NonNull ViewGroup container, int position) {  
        switch (position)  
        {  
            case 0:  
  
                imageViews.get(0).setOnClickListener(new View.OnClickListener() {  
  
                    @Override  
                    public void onClick(View v) {  
                        vpwhere=0;  
                        getinfo();  
                    }  
                });  
  
                break;  
            case 1:  
                ...  
            case 2:  
                ...  
        }  
        View v=imageViews.get(position);  
        container.addView(v);  
        return v;  
    }  
}
```

## 資訊

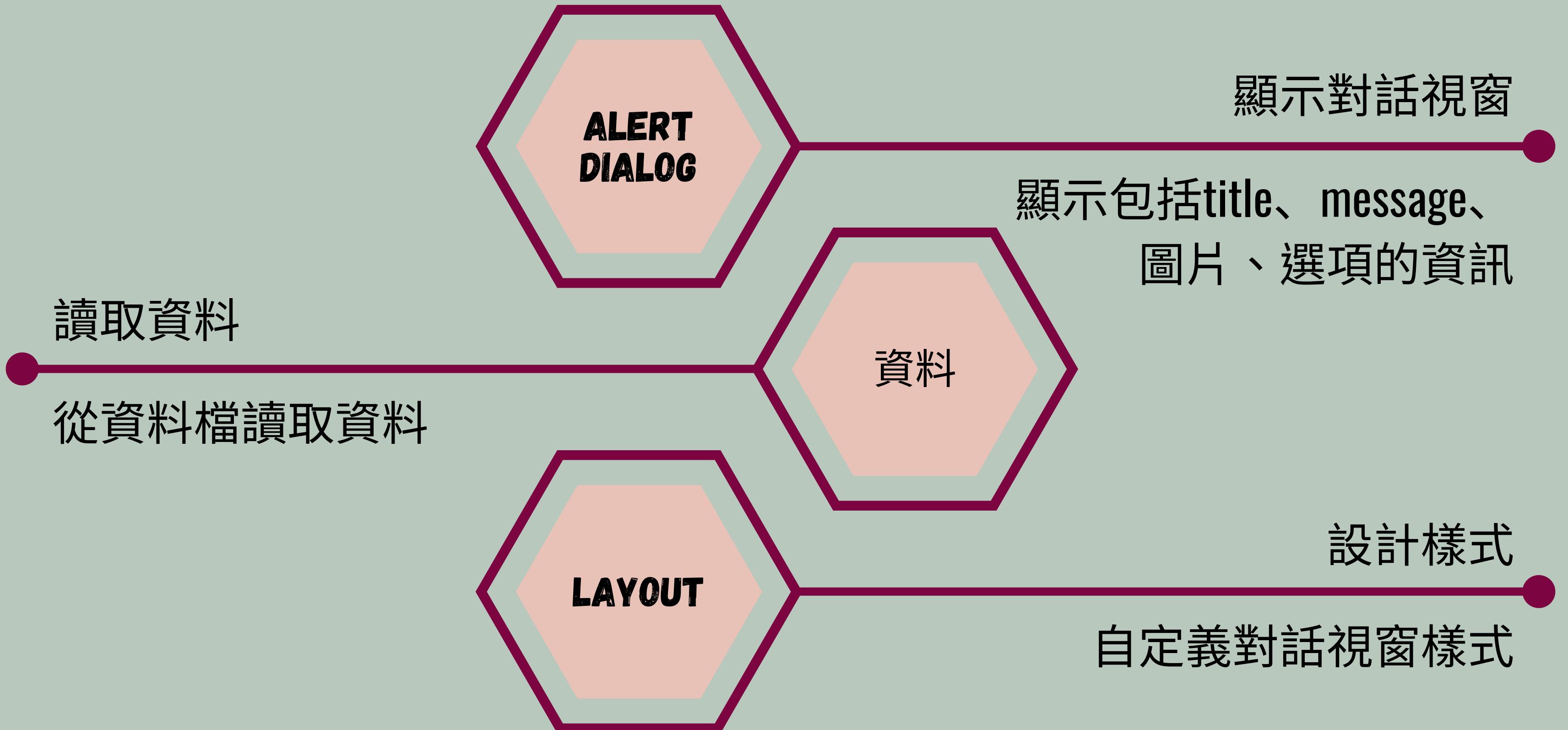
我國的綠建築係以台灣亞熱帶高溫高濕氣候特性，掌握國內建築物對生態（Ecology）、節能（Energy Saving）、減廢（Waste Reduction）、健康（Health）之需求，訂定我國的綠建築（EEWH）評估系統及標章制度，並自1999年9月開始實施，為僅次於美國LEED標章制度，全世界第二個實施的系統。



開啟

更多資訊

# 對話視窗



# 對話視窗設置

```
public void getinfo(){
    LayoutInflater layoutInflater = LayoutInflater.from(this);
    View mTitleView = layoutInflater.inflate(R.layout.title, null);
    AlertDialog.Builder builder1 = new AlertDialog.Builder(this);
    builder1.setCustomTitle(mTitleView);
    builder1.setMessage(DummyData.vpinfo[vpwhere]);
    ImageView iv = new ImageView(this);
    iv.setImageResource(DummyData.vpimage[vpwhere]);
    builder1.setView(iv);

    builder1.setPositiveButton("更多資訊", new DialogInterface.OnClickListener() {
        @Override
        public void onClick(DialogInterface dialog, int which) {
            Uri uri = Uri.parse(DummyData.vpurl[vpwhere]); //urlset1[where][pos]
            Intent intent = new Intent(Intent.ACTION_VIEW, uri);
            startActivity(intent);
        }
    });
    builder1.setNegativeButton("關閉", new DialogInterface.OnClickListener() {
        @Override
        public void onClick(DialogInterface dialog, int which) {
            ;
        }
    });
    builder1.setCancelable(true);
    builder1.show();
}
```

# listview

創建 +

下拉選單

- 北部
- **北投圖書館**

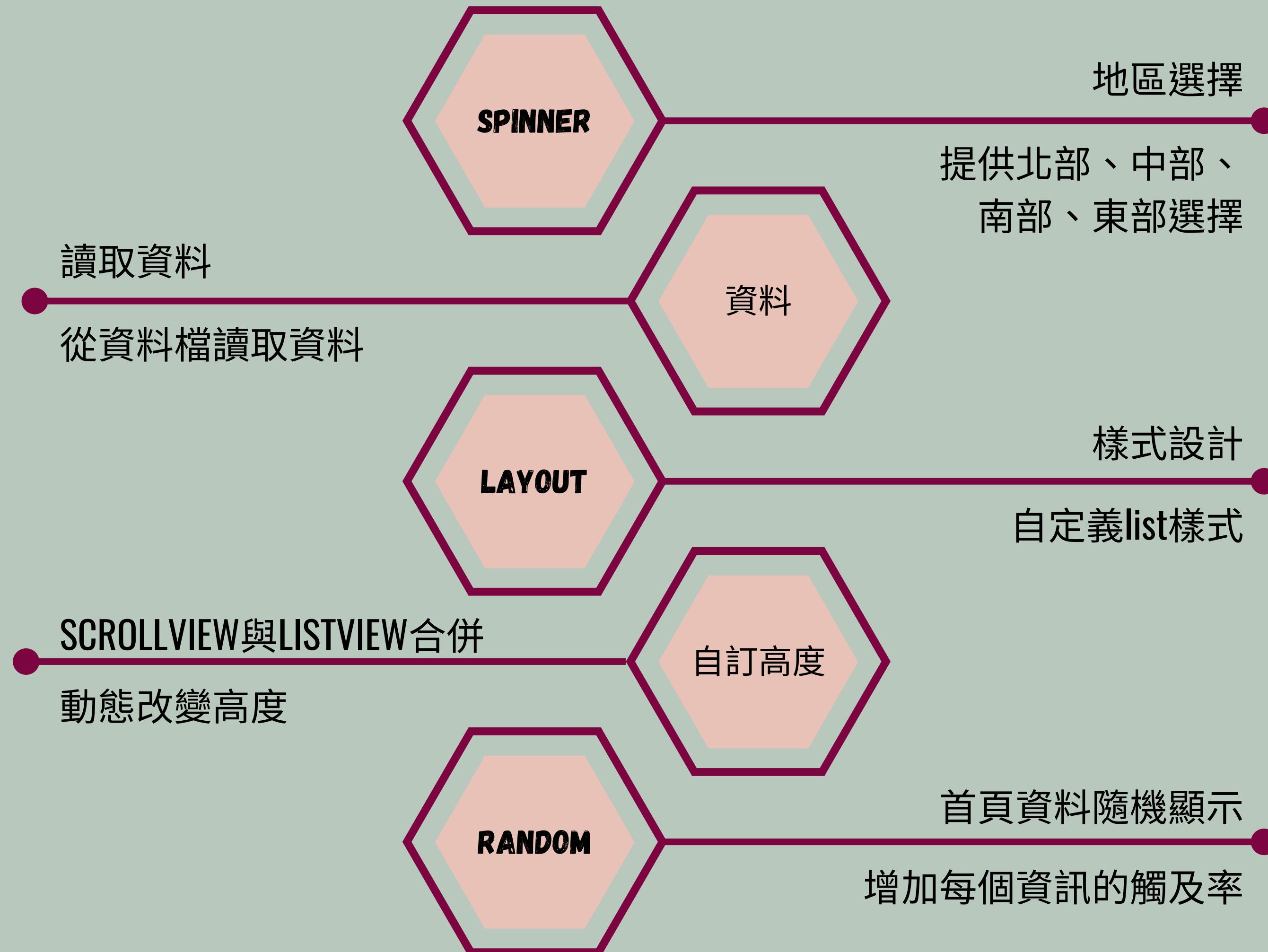
以木頭建造的建築物主體座落在北投生態公園中，所使用的建材也都是可回收的，綠化的屋頂設有太陽能光電板和雨水回收槽，達到節能與節水的功效。
  - **台北市立動物園**

具備節能減碳、太陽能光電、雨水回收系統以及節能空調設計等。
  - **台北101**

獲得過綠建築權威—美國綠建築協會所頒發的既有建築類別LEED白金級認證，不論是節電、節水、利用風阻尼器與強風共生存等都將環保實踐的淋漓盡致。
  - **市立圖書館龍岡分館**

頂樓設置了太陽能電板、雨水回收系統、節能空調、再生面磚及各類綠建材等，平常透過日曆節能減量。
  - **花博新生園區夢想館**

為了同時達到節能及讓使用者接觸自然材質，夢想館廊道天花板鋪著繩瓦板打造綠屋頂，幫助建築物更有效率隔熱。



# 資料置入

```
@NonNull  
    @Override  
    public View getView(int position, @Nullable View convertView, @NonNull  
ViewGroup parent) {  
        LayoutInflater layoutInflater =  
(LayoutInflater)getApplicationContext().getSystemService(Context.LAYOUT_INFLAT  
ER_SERVICE);  
  
        View row = layoutInflater.inflate(R.layout.listview,parent,false);  
        ImageView images = row.findViewById(R.id.image);  
        TextView textView = row.findViewById(R.id.otitle);  
        TextView textView1 = row.findViewById(R.id.tttitle);  
  
        RoundedBitmapDrawable circularBitmapDrawable=  
RoundedBitmapDrawableFactory.create(context.getResources(),  
BitmapFactory.decodeResource(context.getResources(),rimage[position]));  
circularBitmapDrawable.setCornerRadius(100);//圓角  
images.setImageDrawable(circularBitmapDrawable);  
textView.setText(rTitle[position]);  
textView1.setText(rsec[position]);  
  
        return row;  
    }  
}
```

# 點擊事件

```
private AdapterView.OnItemClickListener spnOnItemClick  
    = new AdapterView.OnItemClickListener() {  
    public void onItemClick(AdapterView<?> parent, View view,  
        int pos, long id) {  
        try {  
            Uri uri = Uri.parse(DummyData.urlset2[where][pos]);]  
            Intent intent = new Intent(Intent.ACTION_VIEW, uri);  
            startActivity(intent);  
        }catch (NumberFormatException e){  
            ;  
        }  
    }  
    public void onNothingSelected(AdapterView<?> parent) {  
    }  
};
```

# LIST長度

```
public static void setListViewHeightBasedOnChildren(ListView listView)
{//首頁的上下滑動
    if(listView == null) return;
   ListAdapter listAdapter = listView.getAdapter();
    if (listAdapter == null) {
        // pre-condition
        return;
    }
    int totalHeight = 0;
    for (int i = 0; i < listAdapter.getCount(); i++) {
        View listItem = listAdapter.getView(i, null, listView);
        listItem.measure(0, 0);
        totalHeight += listItem.getMeasuredHeight();
    }
    ViewGroup.LayoutParams params = listView.getLayoutParams();
    params.height = totalHeight + (listView.getDividerHeight() *
(listAdapter.getCount()));
    listView.setLayoutParams(params);
}
```

謝謝聆聽