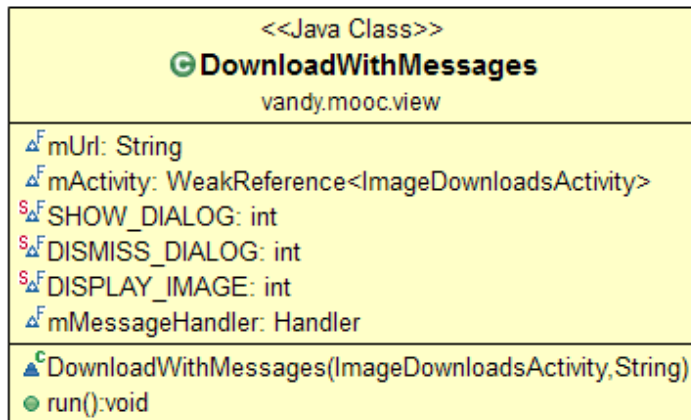
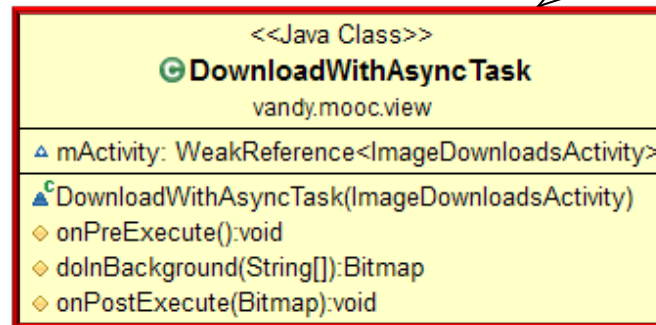
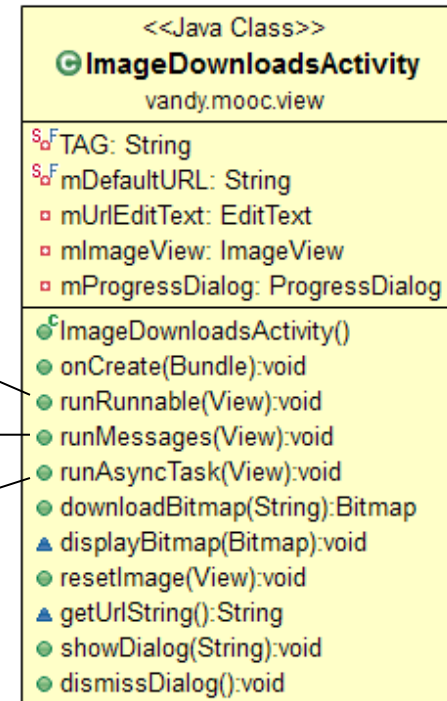
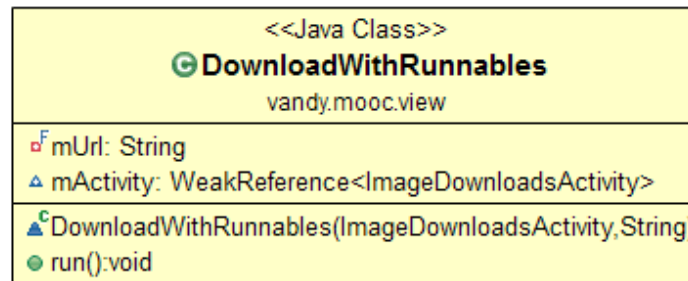


---

# Programming with `AsyncTask`

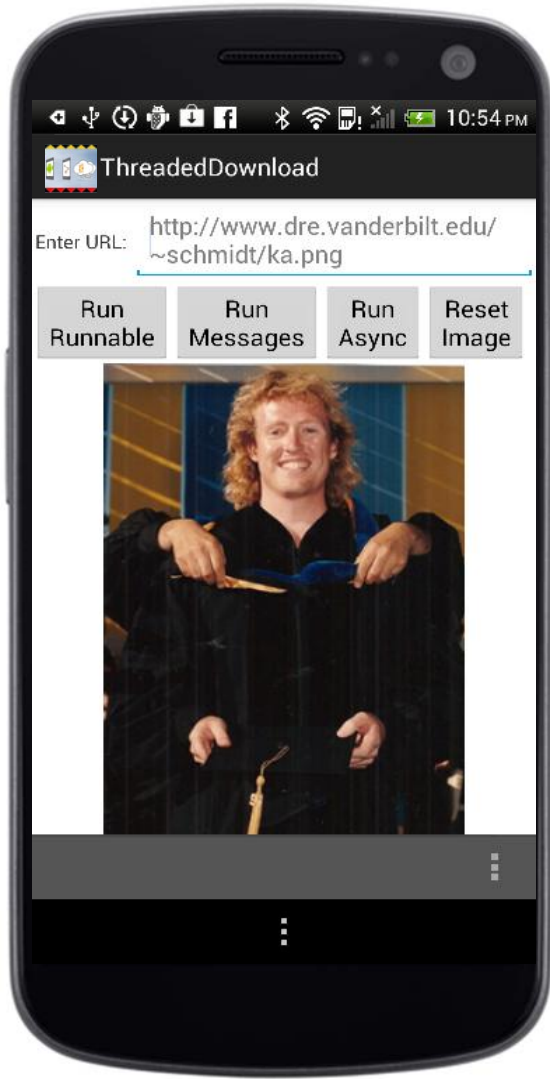
# "Run Async" Behavior for SimpleImageDownloads

- Downloads & Displays image via AsyncTask

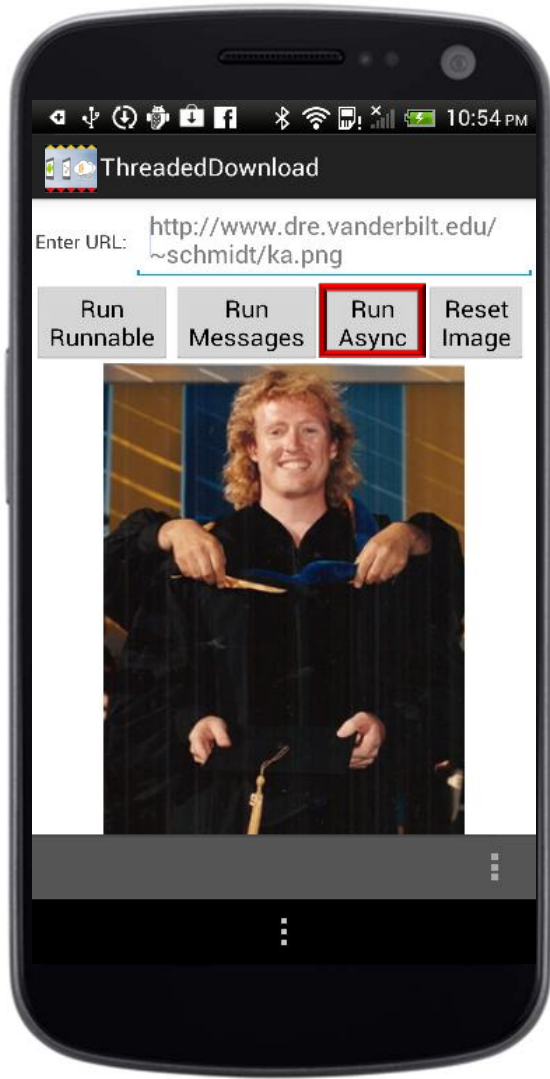


See [github.com/douglasraigschmidt/POSA-15/tree/master/ex/SimpleImageDownloads](https://github.com/douglasraigschmidt/POSA-15/tree/master/ex/SimpleImageDownloads)

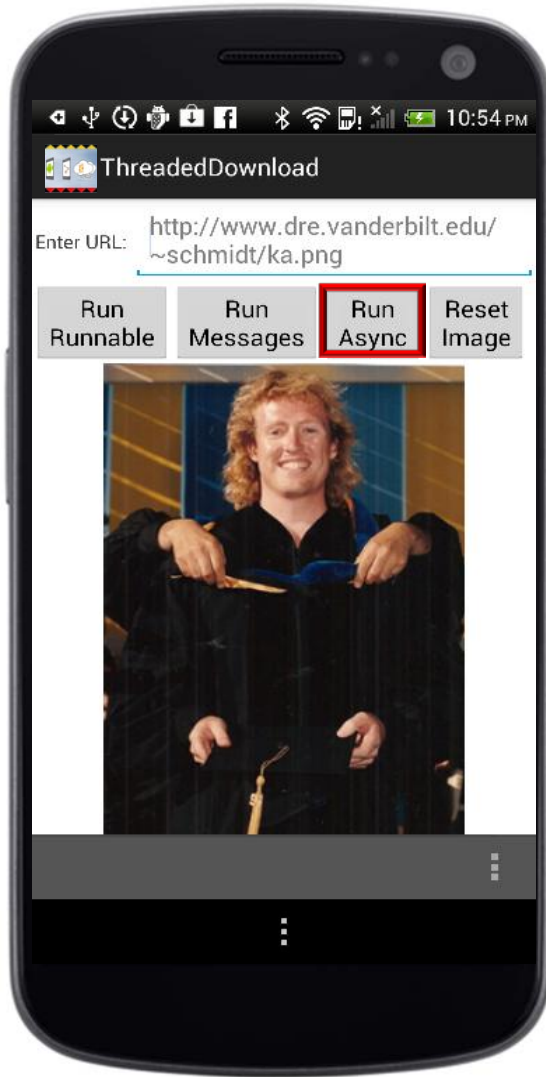
# "Run Async" Behavior for SimpleImageDownloads



# "Run Async" Behavior for SimpleImageDownloads



# "Run Async" Behavior for SimpleImageDownloads



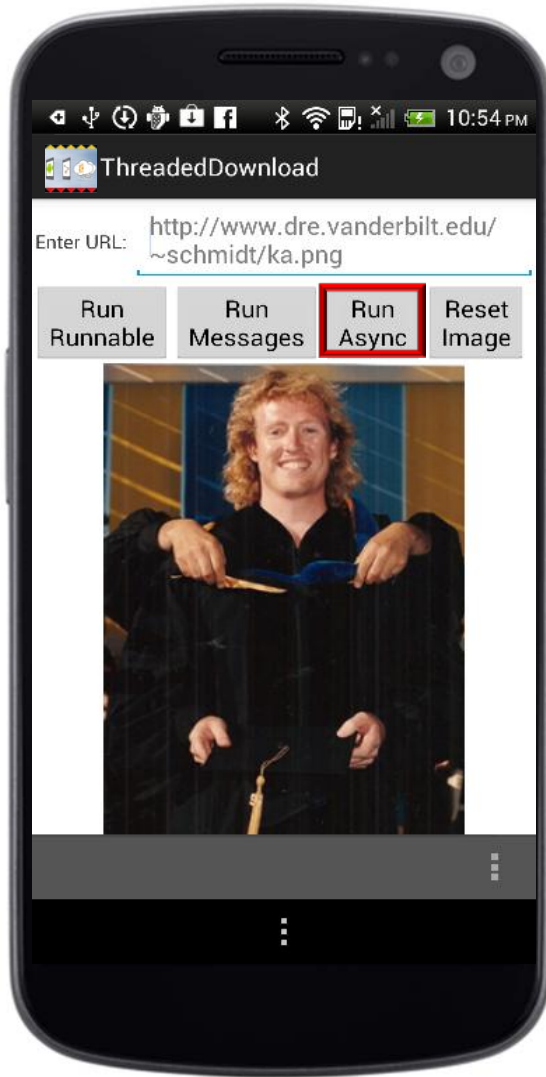
<Button

...

**android:onClick="runAsyncTask"**

**android:text="@string/runAsync" />**

# "Run Async" Behavior for SimpleImageDownloads



```
<Button
```

```
...
```

```
android:onClick="runAsyncTask"
```

```
android:text="@string/runAsync" />
```

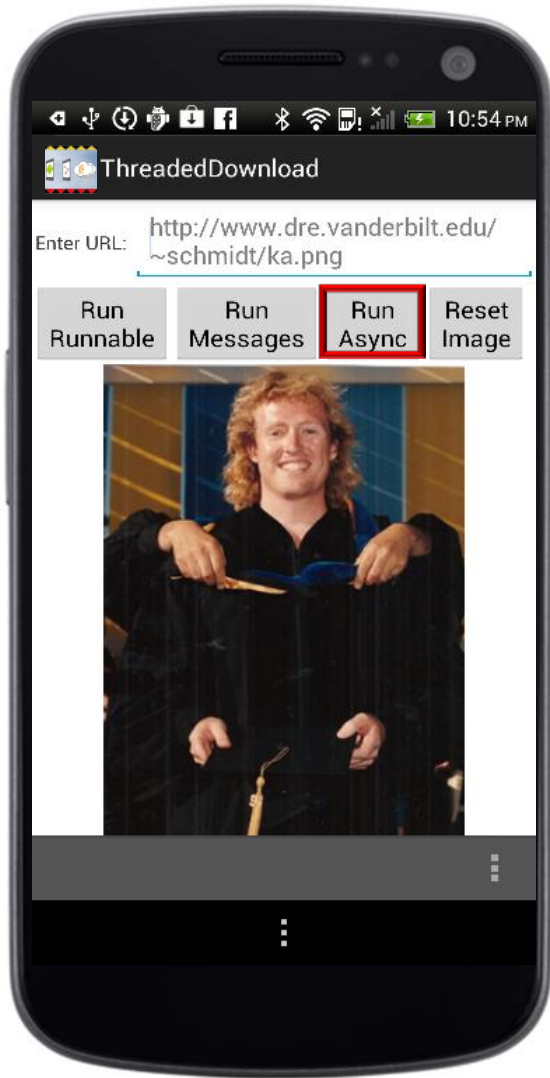
```
public class ImageDownloadsActivity  
    extends Activity {
```

```
...
```

```
public void runAsyncTask(View view) {  
    /* all magic happens here! */  
}
```

See [ThreadedDownloads/src/edu/vuum/mocca/ImageDownloadsActivity.java](http://ThreadedDownloads/src/edu/vuum/mocca/ImageDownloadsActivity.java)

# "Run Async" Behavior for SimpleImageDownloads



```
<Button
```

```
...
```

```
android:onClick="runAsyncTask"
```

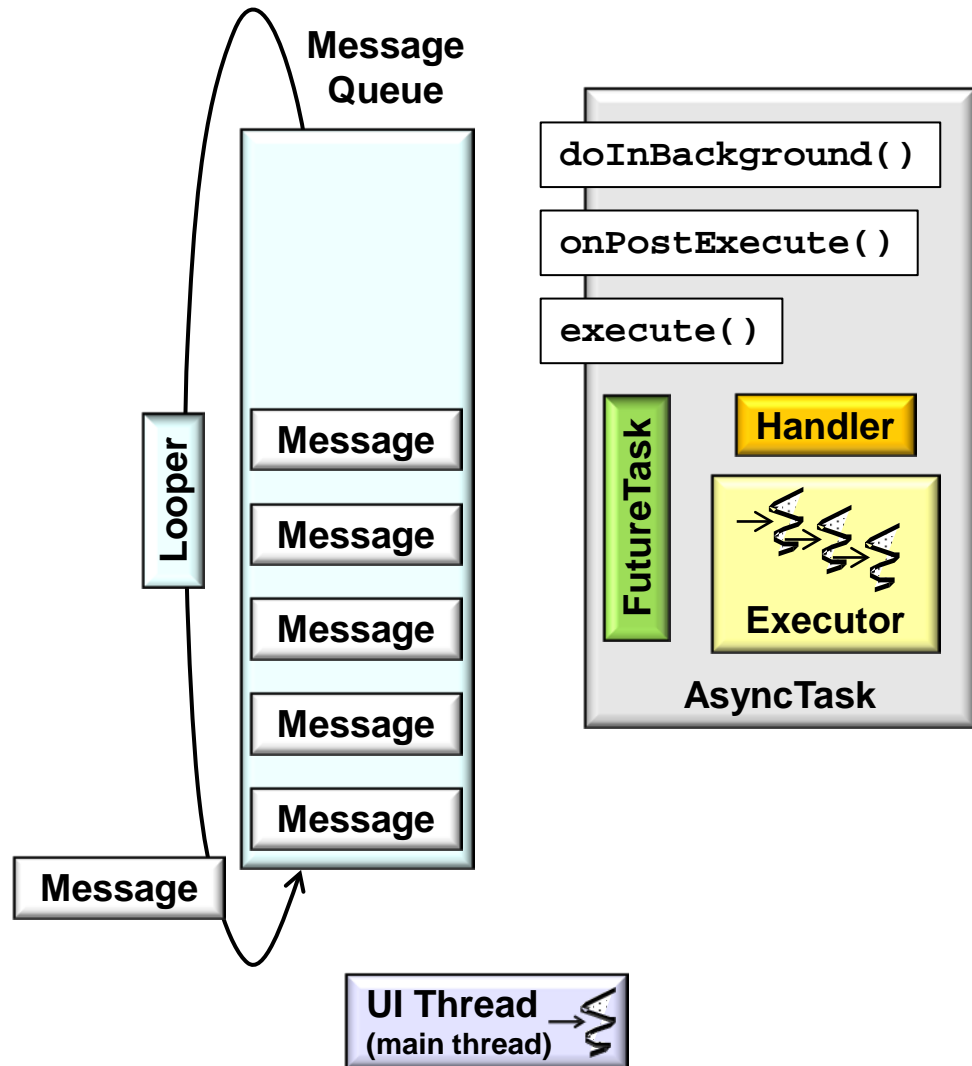
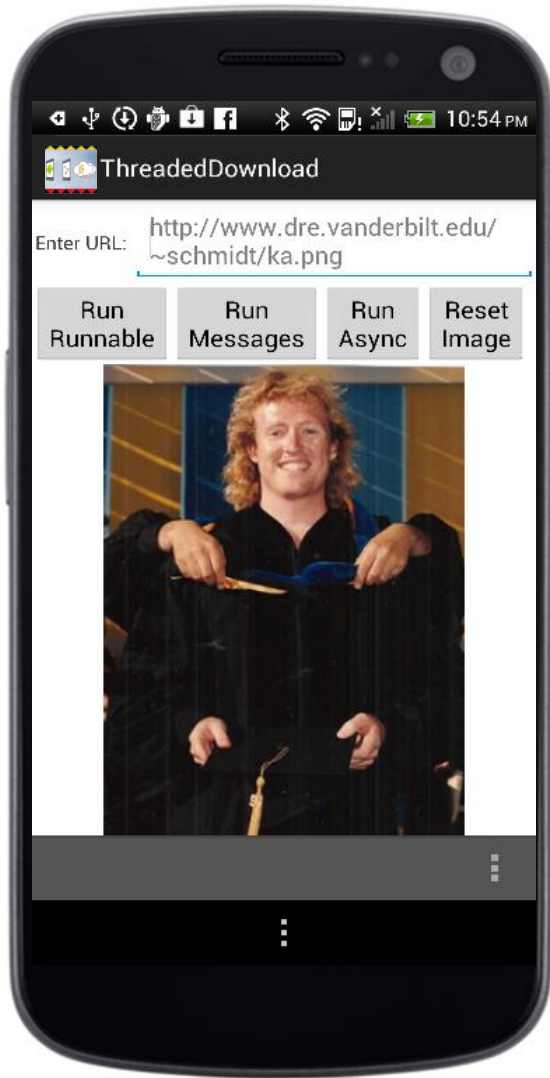
```
android:text="@string/runAsync" />
```

```
public class ImageDownloadsActivity  
    extends Activity {
```

```
...
```

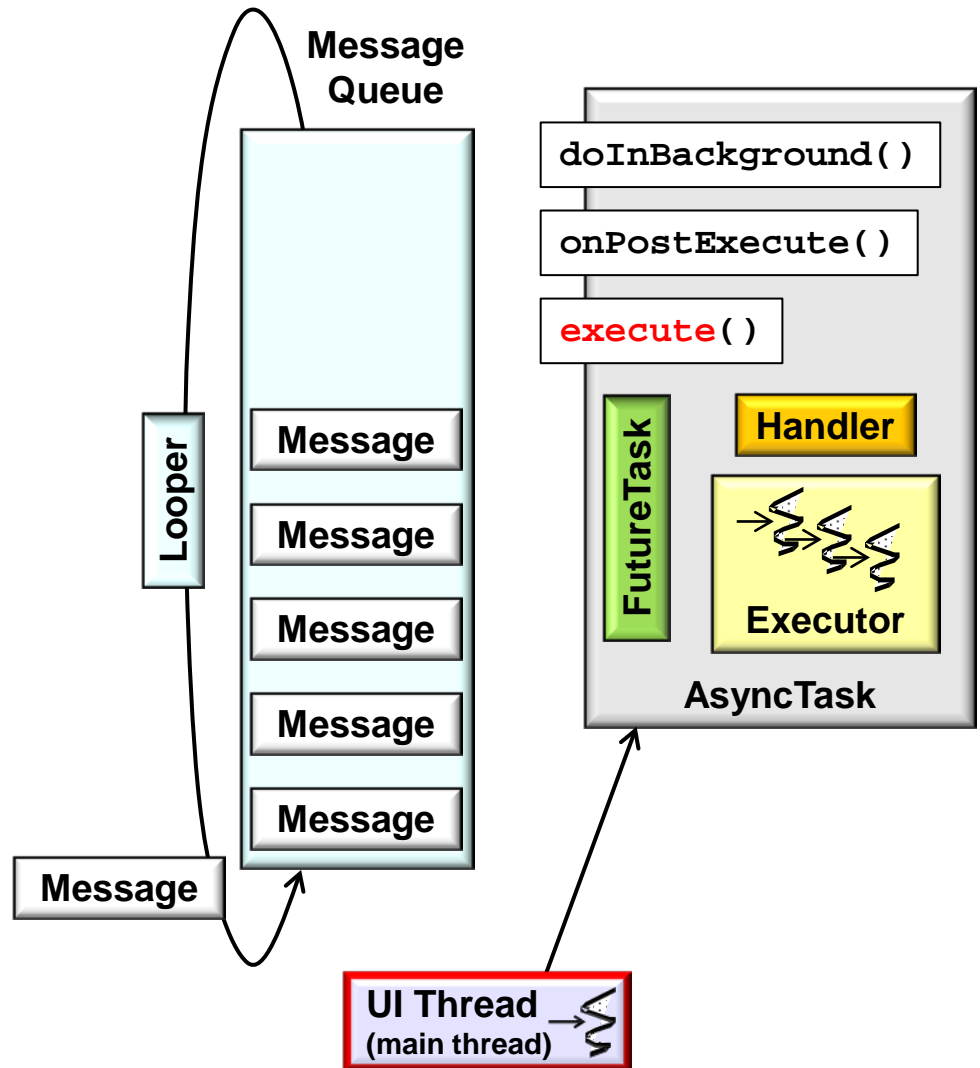
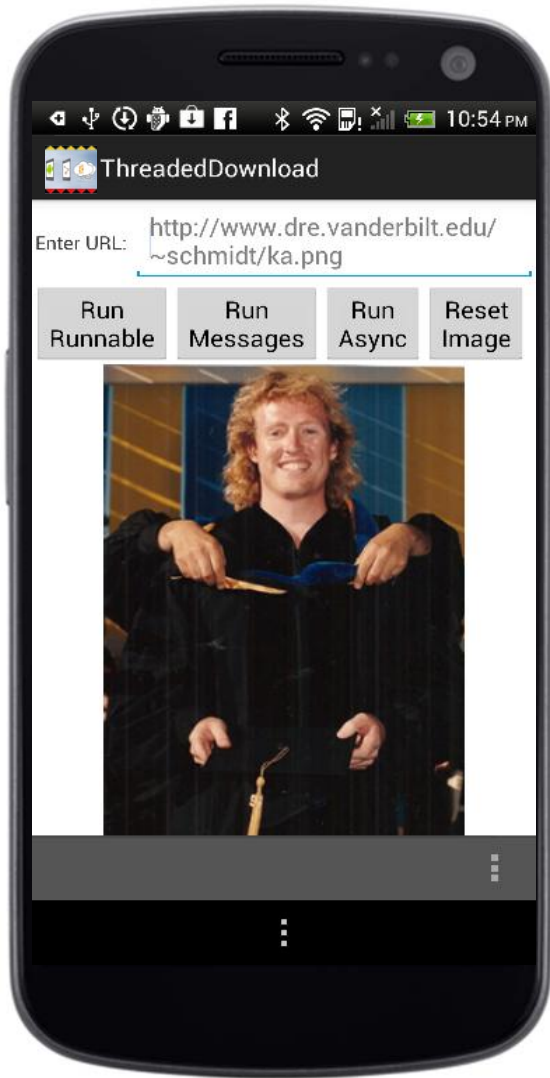
```
public void runAsyncTask(View view) {  
    /* all magic happens here! */  
}
```

# "Run Async" Behavior for SimpleImageDownloads

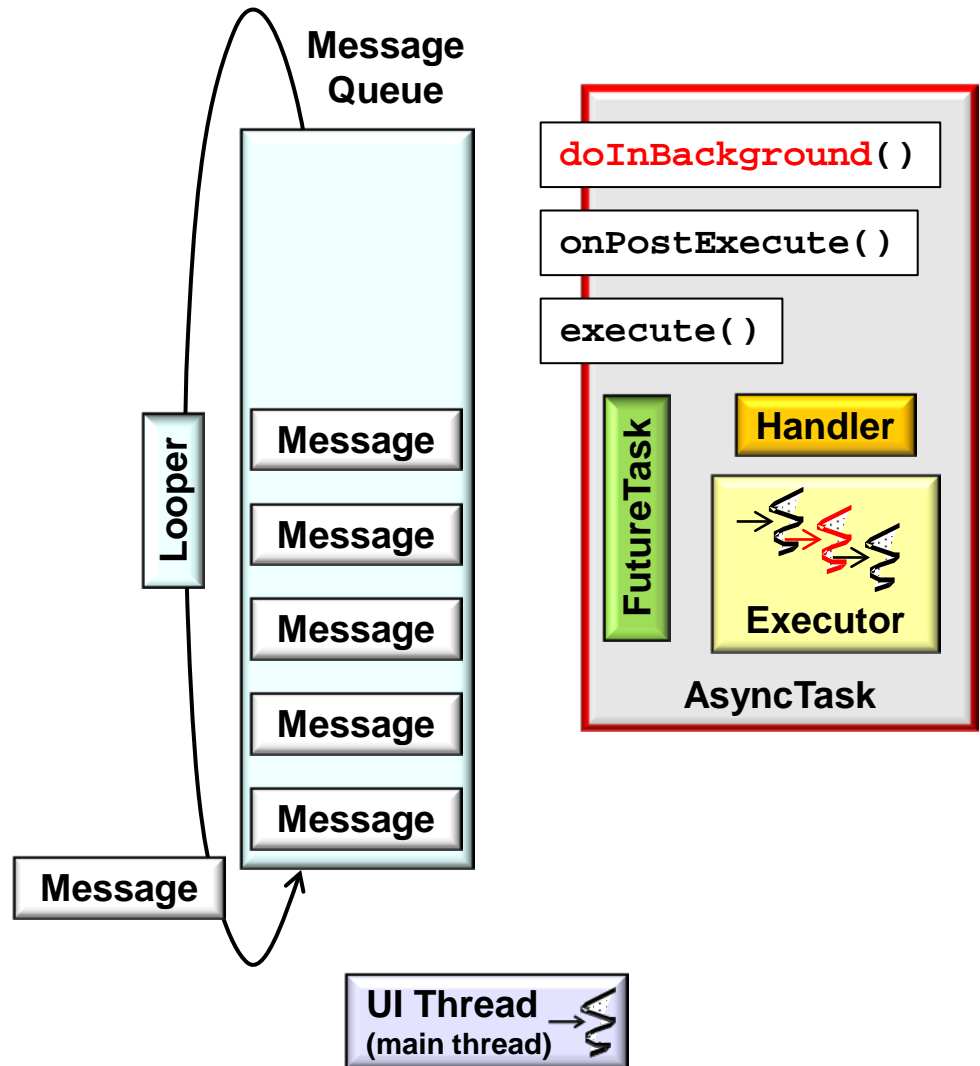
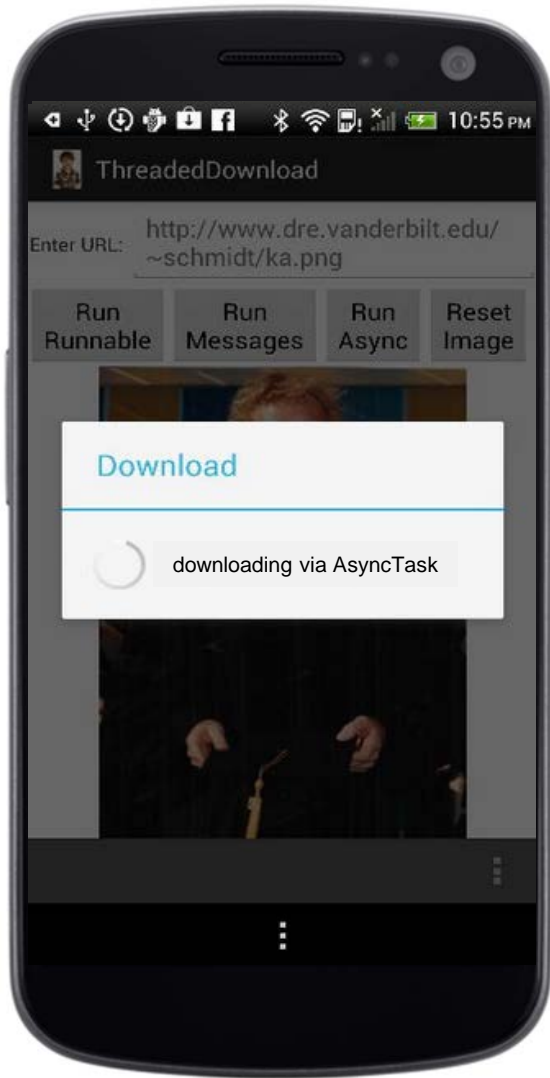




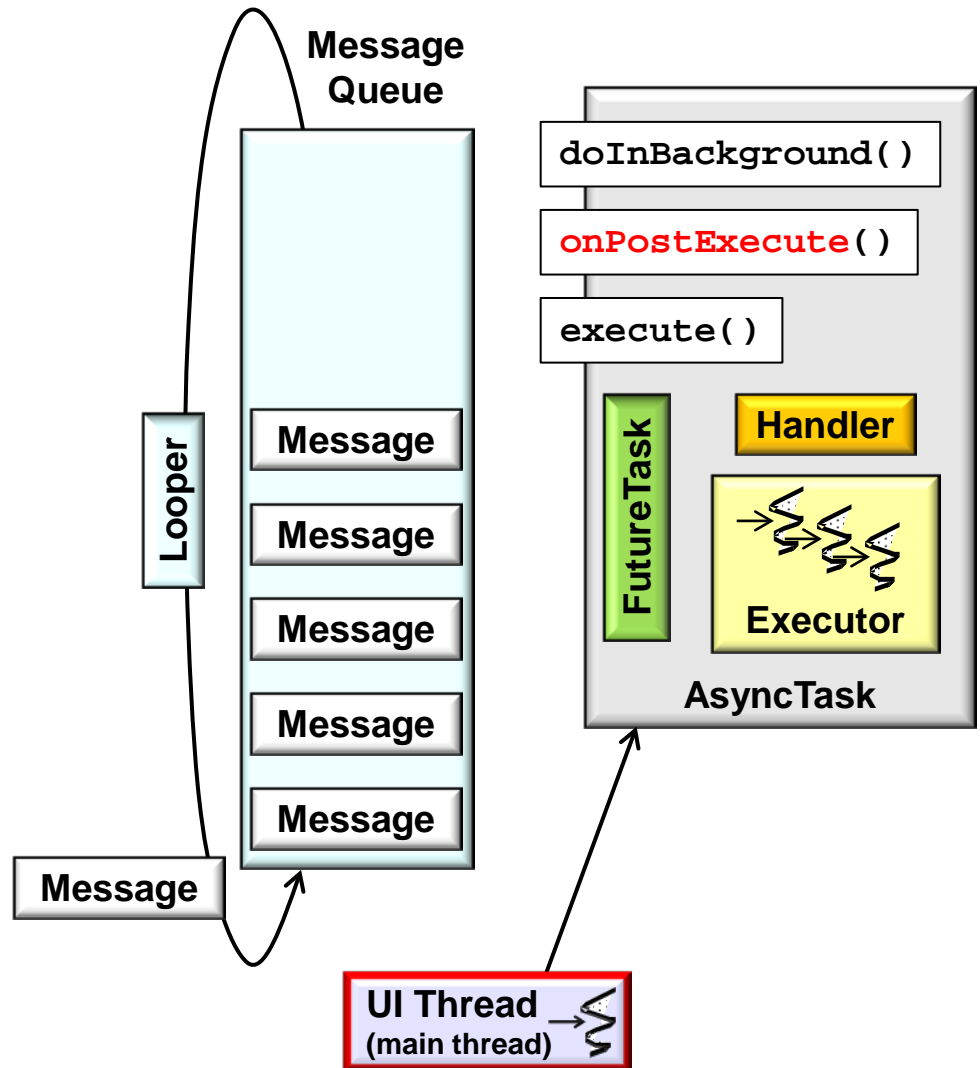
# "Run Async" Behavior for SimpleImageDownloads



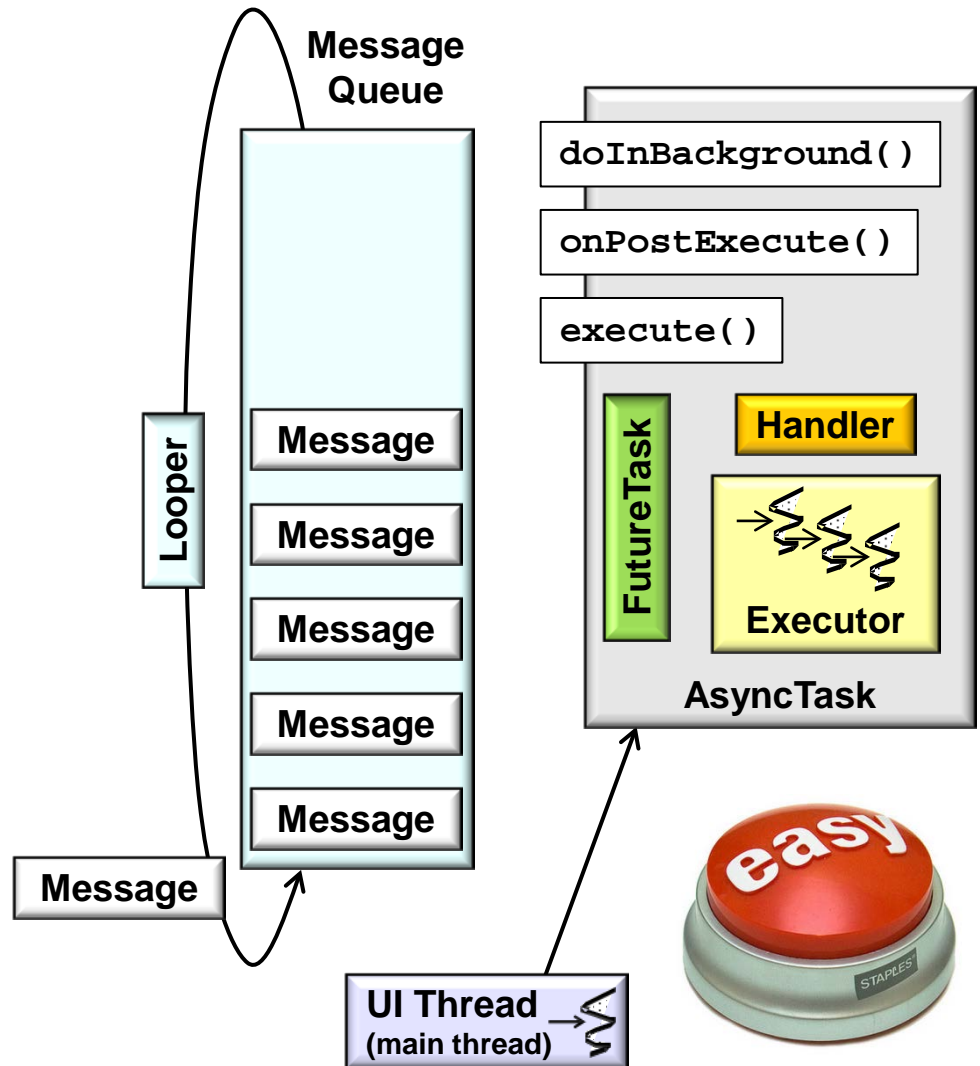
# "Run Async" Behavior for SimpleImageDownloads



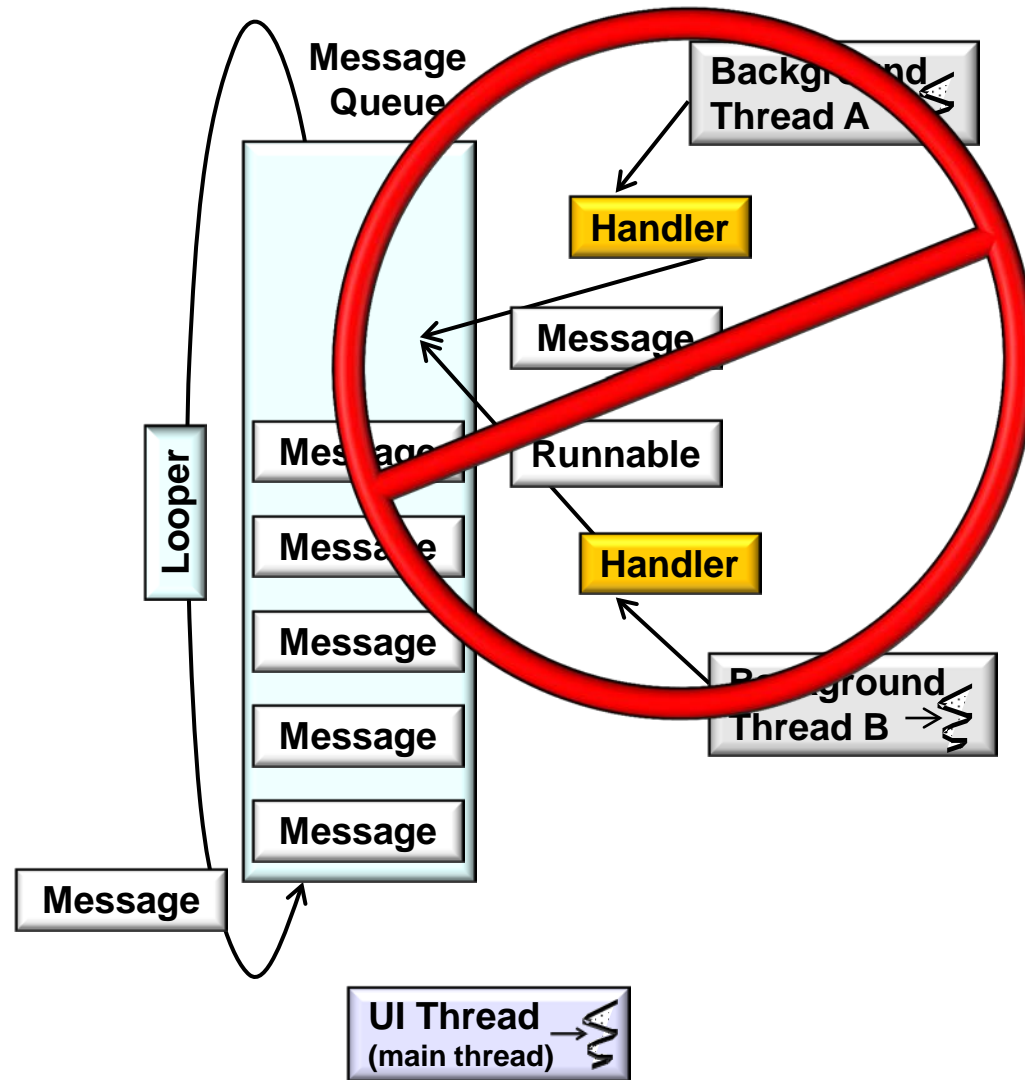
# "Run Async" Behavior for SimpleImageDownloads



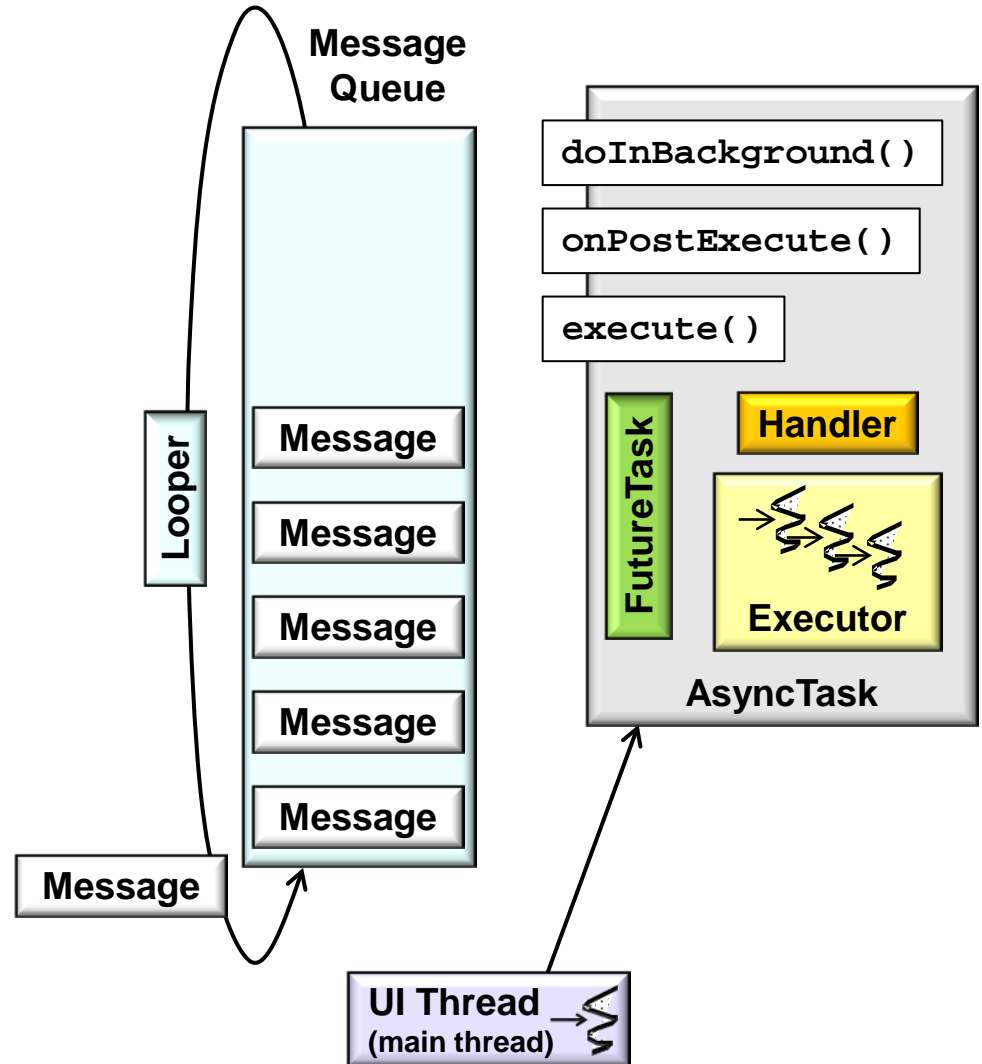
# "Run Async" Behavior for SimpleImageDownloads



# "Run Async" Behavior for SimpleImageDownloads



# "Run Async" Behavior for SimpleImageDownloads



See [en.wikipedia.org/wiki/Template\\_method\\_pattern](http://en.wikipedia.org/wiki/Template_method_pattern)

# "Run Async" Behavior for SimpleImageDownloads

