



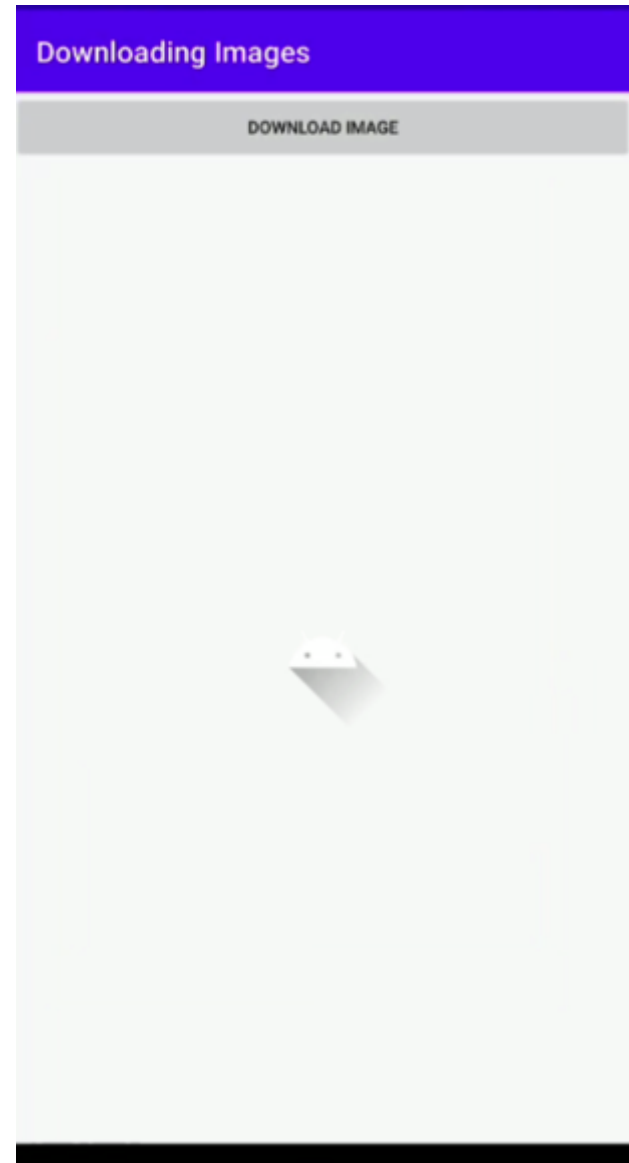
# Mobil Programlama

Hafta 9

# Downloading Image

- Yüklenecek Resim

<http://www.agaclar.net/forum/attachments/sukulent/7290d1171654782-pasa-008.jpg>



# Downloading Image Yapılacak Adımlar

- Butun tıklamasını yakala
- ImageView için Referans bul
- Internet için Manifeste izin al
- AsyncTask tan türemiş bir nesne yap bu resmi başka thread üzerinde erişmeyi sağlayacak
- DİKKAT ! Android default olarak iste Manifest dosyasın
- **gerekli**

```
<application
    android:allowBackup="true"
    android:icon="@mipmap/ic_launcher"
    android:label="Downloading Images"
    android:roundIcon="@mipmap/ic_launcher_round"
    android:supportsRtl="true"
    android:theme="@style/AppTheme"
    android:usesCleartextTraffic="true"
```



```
public void DowloadImage(View v){
```

```
//http://www.agacler.net/forum/attachments/sukulent/7290d1171654782-pasa-008.jpg
```

```
// Yüklenecek Resim
```

```
MyImageDownloader id= new MyImageDownloader();
```

```
id.execute("http://www.agacler.net/forum/attachments/sukulent/7290d1171654782-pasa-008.jpg");
```

```
Log.d( tag: "Button", msg: "Button Tıklandı");
```

```
}
```

```
public class MyImageDownloader extends AsyncTask<String,Void, Bitmap>{
```

```
    @Override
```

```
    protected void onPostExecute(Bitmap bitmap) {
```

```
        super.onPostExecute(bitmap);
```

```
        ivImage.setImageBitmap(bitmap);
```

```
    }
```

```
    @Override
```

```
    protected Bitmap doInBackground(String... strings) {
```

```
        try {
```

```
            URL url =new URL(strings[0]);
```

```
            HttpURLConnection con= (HttpURLConnection) url.openConnection();
```

```
            con.connect(); //Satır satır okunmayacak o yüzden Input Stream REader a ihtiyaç yok.
```

```
            InputStream is= con.getInputStream(); // bir bütün halinde okunur.
```

```
            Bitmap myBitmap= BitmapFactory.decodeStream(is); //BitmapFactory inputstream okur ve Bitmapa çevirir.
```

```
            return myBitmap;
```

```
        } catch (MalformedURLException e) {
```

```
            e.printStackTrace();
```

```
        } catch (IOException e) {
```

```
            e.printStackTrace();
```

```
        }
```

```
        return null;
```

```
    }
```

```
}
```



DOWNLOAD IMAGE





# Guess the Celebrity

- [https://www.imdb.com/list/ls059786955/?sort=ist\\_order,asc&mode=detail&page=1](https://www.imdb.com/list/ls059786955/?sort=ist_order,asc&mode=detail&page=1)

## Famous Celebrities


by [alireza-behzadian76](#) | created - 20 Jan 2014 | updated - 26 Aug 2018 | Public

Celebrities

104 names

Sort by:


View:



**1. Keira Knightley**

Actress | [Pirates of the Caribbean: The Curse of the Black Pearl](#)

Keira Christina Knightley was born March 26, 1985 in the South West Greater London suburb of Richmond. She is the daughter of actor [Will Knightley](#) and actress turned playwright [Sharman Macdonald](#). An older brother, [Caleb Knightley](#), was born in 1979. Her father is English, while her Scottish-born ...

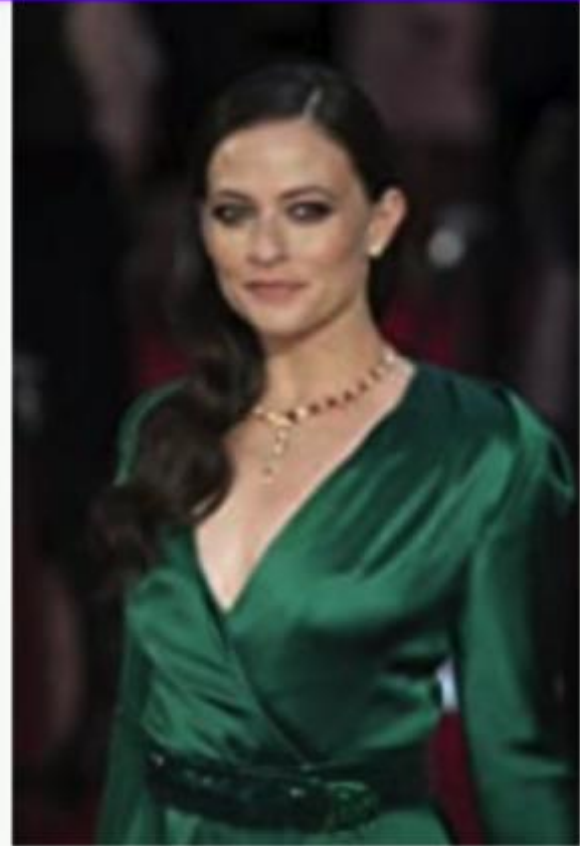


**2. Vin Diesel**

Actor | [Guardians of the Galaxy](#)

Vin Diesel was born Mark Sinclair in Alameda County, California, along with his fraternal twin brother, [Paul Vincent](#). He was raised by his astrologer/psychologist mother, Delora Sherleen (Sinclair), and adoptive father, Irving H. Vincent, an acting instructor and theatre manager, in an artists' ...

# Demo



PAOLLA OLIVEIRA

BRIANA EVIGAN

LARA PULVER

GEORGINA REILLY





# Steps To Success

- Verileri Çek
  - Siteyi incele  
[https://www.imdb.com/list/ls059786955/?sort=list\\_order,asc&mode=detail&page=1](https://www.imdb.com/list/ls059786955/?sort=list_order,asc&mode=detail&page=1)
  - Jsoup
    - Jsoup Gradle ekle
- Dizilerde
  - Adları
  - Img. URL lerini sakla
- Rastgele bir eleman Seç
- Butona gizle
- Resmi Göster.



# Jsoup Examples

- <https://jsoup.org/cookbook/>



# Oncreate

@Override

```
protected void onCreate(Bundle savedInstanceState) {  
    super.onCreate(savedInstanceState);  
    setContentView(R.layout.activity_main);  
  
    btn1=(Button)findViewById(R.id.btnOpt1);  
    btn2=(Button)findViewById(R.id.btnOpt2);  
    btn3=(Button)findViewById(R.id.btnOpt3);  
    btn4=(Button)findViewById(R.id.btnOpt4);  
    btngrp[0]=btn1;  
    btngrp[1]=btn2;  
    btngrp[2]=btn3;  
    btngrp[3]=btn4;  
  
    imCelep=(ImageView) findViewById(R.id.ivCeleb);  
  
    ContentDownloader cdl= new ContentDownloader();  
    cdl.execute("https://www.imdb.com/list/ls059786955/?sort=list_order,asc&mode=detail&page=1");  
}
```

@Override

protected String doInBackground(String... strings) {

Document doc = null;

try {

doc = Jsoup.connect(strings[0]).get();

} catch (IOException e) {

e.printStackTrace();

}

Log.d( tag: "TITLE",doc.title());

Elements divs = doc.select( cssQuery: ".lister-item-image");

Elements imgs= divs.select("img");

int count=0;

for (Element img : imgs) {

Log.d( tag: "ALT",img.attr( attributeKey: "alt"));

Log.d( tag: "src",img.attr( attributeKey: "src"));

imgsArray[count]= img.attr( attributeKey: "src");

namesArray[count]=img.attr( attributeKey: "alt");

count++;

}

return null;

}

@Override

protected void onPostExecute(String s) {

super.onPostExecute(s);

RandomFill();

}





# Image Downloader

```
public class myImageDownloader extends AsyncTask<String,Void, Bitmap>{
    @Override
    protected Bitmap doInBackground(String... strings) {
        try {
            URL url= new URL(strings[0]);
            HttpURLConnection con= (HttpURLConnection) url.openConnection();
            InputStream is= con.getInputStream();
            Bitmap bmp= BitmapFactory.decodeStream(is);
            return bmp;
        } catch (MalformedURLException e) {
            e.printStackTrace();
        } catch (IOException e) {
            e.printStackTrace();
        }
        return null;
    }
}
```

# Random Fill()



```
int CorrectIndex;
public void RandomFill() {
    Random rnd = new Random();
    int index= rnd.nextInt( bound: 100);
    CorrectIndex=index;
    String url=imgsArray[index];
    String name=namesArray[index];
    myImageDownloader idl = new myImageDownloader();
    try {
        Bitmap bmp=idl.execute(url).get();
        imCelep.setImageBitmap(bmp);
    } catch (ExecutionException e) {
        e.printStackTrace();
    } catch (InterruptedException e) {
        e.printStackTrace();
    }
    int pos= rnd.nextInt( bound: 4);
    btngrp[pos].setText(name);
    for(int i=0;i<4;i++){
        if(i==pos)
            continue;
        else{
            int rndpos=rnd.nextInt( bound: 100);
            while (rndpos==index){
                rndpos=rnd.nextInt( bound: 100);
            }
            btngrp[i].setText(namesArray[rndpos]);
        }
    }
}
```