java.awt.image.*
Consumer + Producer

Methods declared in supertypes are hidden in subtypes

ImageConsumer

Accessors
```
void  setColorModel (ColorModel model)
void  setDimensions (int width, int height)
void  setHints (int hintflags)
void  setPixels (int x, int y, int w, int h,  ColorModel model,  byte pixels[],  int off,  int scansize)
void  setPixels (int x, int y, int w, int h,  ColorModel model,  int pixels[],  int off,  int scansize)
void  setProperties (Hashtable props)
```
Other Public Methods
```
void  imageComplete (int status)

int  RANDOMPIXELORDER, TOPDOWNLEFTRIGHT, COMPLETESCANLINES,
     SINGLEPASS, SINGLEFRAME, IMAGEERROR, SINGLEFRAMEDONE,
     STATICIMAGEDONE, IMAGEABORTED
```

PixelGrabber

```
PixelGrabber  (Image img,  int x, int y,  int w, int h,
               boolean forceRGB)
PixelGrabber  (Image img,  int x, int y,  int w, int h,
               int[] pix, int off,  int scansize)
PixelGrabber  (ImageProducer ip,  int x, int y,  int w,
               int h, int[] pix,  int off,  int scansize)
```
Accessors
```
ColorModel  get / setColorModel ()
       int  getHeight ()
    Object  getPixels ()
       int  getStatus ()
       int  getWidth ()
```
Other Public Methods
```
      void  abortGrabbing ()
   boolean  grabPixels ()
   boolean  grabPixels (long ms)
      void  startGrabbing ()
       int  status ()
```

BufferedImageFilter

```
BufferedImageFilter  (BufferedImageOp op)

BufferedImageOp  getBufferedImageOp ()
```

CropImageFilter

```
CropImageFilter  (int x, int y,  int w, int h)
```

ReplicateScaleFilter

```
ReplicateScaleFilter  (int width, int height)
```

AreaAveragingScaleFilter

```
AreaAveragingScaleFilter  (int width, int height)
```

RGBImageFilter

```
IndexColorModel  filterIndexColorModel (IndexColorModel icm)
            int  filterRGB (int x, int y,  int rgb)
           void  filterRGBPixels (int x, int y,  int w, int h, int pixels[],  int off,  int scansize)
           void  substituteColorModel (ColorModel oldcm,  ColorModel newcm)
```

javax.swing. GrayFilter

```
GrayFilter  (boolean b, int p)

Image  createDisabledImage  (Image i)
```

ImageFilter

Accessors
```
ImageFilter  getFilterInstance (ImageConsumer ic)
```
Object
```
Object  clone ()
```
Other Public Methods
```
void  resendTopDownLeftRight (ImageProducer ip)
```

Cloneable

FilteredImageSource

```
FilteredImageSource  (ImageProducer orig.  ImageFilter imgf)
```

MemoryImageSource

```
MemoryImageSource  (int w, int h,  int pix[],  int off,  int scan)
MemoryImageSource  (int w, int h,  ColorModel cm,  byte[] pix,  int off,  int scan)
MemoryImageSource  (int w, int h,  ColorModel cm,  int[] pix,  int off,  int scan)
MemoryImageSource  (int w, int h,  int pix[],  int off,  int scan, Hashtable props)
MemoryImageSource  (int w, int h,  ColorModel cm,  byte[] pix,  int off,  int scan, Hashtable props)
MemoryImageSource  (int w, int h,  ColorModel cm,  int[] pix,  int off,  int scan, Hashtable props)
```
Accessors
```
void  setAnimated (boolean animated)
void  setFullBufferUpdates (boolean fullbuffers)
```
Other Public Methods
```
void  newPixels ()
void  newPixels (int x, int y,  int w, int h)
void  newPixels (byte[] newpix,  ColorModel newmodel,  int offset,  int scansize)
void  newPixels (int[] newpix,  ColorModel newmodel,  int offset,  int scansize)
void  newPixels (int x, int y,  int w, int h,  boolean framenotify)
```

java.awt.image.renderable. RenderableImageProducer

```
RenderableImageProducer  (RenderableImage rdblImage,  RenderContext rc)
```
Accessors
```
void  setRenderContext (RenderContext rc)
```
Other Public Methods
```
void  run ()
```

ImageProducer

Accessors + Collectors
```
boolean  isConsumer (ImageConsumer ic)
   void  add / removeConsumer (ImageConsumer ic)
```
Other Public Methods
```
void  requestTopDownLeftRightResend (ImageConsumer ic)
void  startProduction (ImageConsumer ic)
```

java.lang. Runnable