

\*\*\*\*\* **WebImage.Java** \*\*\*\*\*

```
package cu.cs.cpsc215.project1;
```

```
import java.io.File;
import java.io.FileOutputStream;
import java.io.IOException;
import java.io.InputStream;
import java.io.OutputStream;
import java.net.URL;
```

```
public class WebImage implements WebElement{
```

```
    String imgurl;
```

```
    public WebImage(String imgurl) {
        this.imgurl = imgurl;
    }
```

```
    public void saver(String savePath) {
        URL url;
```

```
        try {
```

```
            url = new URL(imgurl);
            String imgName = imgurl.substring(imgurl.lastIndexOf("/") +
```

```
1);
```

```
            savePath += "images/";
```

```
            new File(savePath).mkdirs();
```

```
            File localFile = new File(savePath + imgName);
```

```
            InputStream reader = url.openStream();
```

```
            OutputStream writer = new FileOutputStream(localFile);
```

```
            byte[] b = new byte[2048];
```

```
            int length;
```

```
            while ((length = reader.read(b)) != -1) {
```

```
                writer.write(b, 0, length);
```

```
            }
```

```
            reader.close();
```

```
            writer.close();
```

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

```
                System.err.println("Could Not Save Image " + imgurl);
```

```
            }
```

```
        }
```

}