

***** **WebFile.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.MalformedURLException;
import java.net.URL;
```

```
public class WebFile implements WebElement{
```

```
    String fileurl;
```

```
    public WebFile(String fileurl){
        this.fileurl = fileurl;
    }
```

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

```
        try {
            url = new URL(fileurl);
            String nameOfFile =
fileurl.substring(fileurl.lastIndexOf("/") + 1);
            filePath += "files/";
            new File(filePath).mkdirs();
            //Makes a new folder within the directory specified

            File localFile = new File(filePath + nameOfFile);
            try {
                InputStream fileReader= url.openStream();
                OutputStream fileWriter = new FileOutputStream(localFile);

                byte[] b = new byte[2048]; //This should be big enough
                int len;

                while ((len = fileReader.read(b)) != -1) {
                    fileWriter.write(b, 0, len);
                }

                fileReader.close();
                fileWriter.close();
            } catch (IOException e) {
```

```
filePath);
        System.err.println("Could not save file " + nameOfFile + " to " +
    }
    } catch (MalformedURLException e1) {
        System.err.println("Could not save file to " + filePath);
    }
}
}
```