

```
package com.company;

import java.io.*;
import java.util.List;

public class ReportRenderer
{
    public static final int FORMAT_CSV = 1;
    public static final int FORMAT_XML = 2;
    public static final int FORMAT_HTML = 3;

    private int format;
    private boolean removeLineEndings;
    private boolean writeBom;
    private String reportName;

    private OutputStream tempFile;

    public ReportRenderer(int format, boolean removeLineEndings, boolean writeBom, String title, String
reportName)
    {
        this.format = format;
        this.removeLineEndings = removeLineEndings;
        this.writeBom = writeBom;
        this.reportName = reportName;
        this.title = title;
        begin();
    }

    private void begin()
    {
        try {
            tempFile = new FileOutputStream(File.createTempFile("temp-file-name", ".tmp"));
            if (writeBom) {
                //assume unique logic is implemented here
            }
            writeTitle();
        } catch (IOException e) {
            e.printStackTrace();
        }
    }

    private void writeTitle()
    {
        switch (format) {
            case FORMAT_CSV:
                //assume unique logic is implemented here
            case FORMAT_XML:
                //assume unique logic is implemented here
            case FORMAT_HTML:
                //assume unique logic is implemented here
        }
    }

    public void writeHeader(List<String> rowValues)
    {
        if (removeLineEndings) {
            //assume unique logic is implemented here
        }
        switch (format) {
            case FORMAT_CSV:
                //assume unique logic is implemented here
            case FORMAT_XML:
                //assume unique logic is implemented here
            case FORMAT_HTML:
                //assume unique logic is implemented here
        }
    }
}
```

```
public void writeRow(List<String> rowValues)
{
    if (removeLineEndings) {
        //assume unique logic is implemented here
    }
    switch (format) {
        case FORMAT_CSV:
            //assume unique logic is implemented here
        case FORMAT_XML:
            //assume unique logic is implemented here
        case FORMAT_HTML:
            //assume unique logic is implemented here
    }
}

private String getExtension()
{
    switch (format) {
        case FORMAT_CSV:
            return "csv";
        case FORMAT_XML:
            return "xml";
        case FORMAT_HTML:
            return "html";
    }
    return null;
}

public void finish()
{
    OutputStream outputStream = null;
    try {
        outputStream = new FileOutputStream(new File("report-storage", reportName + '.' + getExtension()));

        //assume unique logic is implemented here
    }
    catch (FileNotFoundException e) {
        e.printStackTrace();
    }
    finally {
        if (outputStream != null) {
            try {
                outputStream.close();
            }
            catch (IOException e) {
            }
        }

        try {
            tempFile.close();
        }
        catch (IOException e) {
            e.printStackTrace();
        }
    }
}
```