

| # | Summary  | Description  | Steps to reproduce  | Reproducibility | Severity | Priority | Symptom                         | Attachments (see below) | Comments   |
|---|--|--|---|-----------------|----------|----------|---------------------------------|-------------------------|--|
| 1 | Wrong USAGE message text in same SOURCE_DIR and DESTINATION_DIR.               | <p>When starting the app where SOURCE_DIR and DESTINATION_DIR are the same, the text of the USAGE message doesn't correspond to the Req and the Error message text is not specified in Req DS-3.2.</p> <p><b>Exp</b> - "USAGE converter.phar SOURCE_DIR DESTINATION_DIR LOG_FILE_NAME"</p> <p><b>Act</b> - "USAGE: php converter.phar SOURCE_DIR DESTINATION_DIR [LOG_FILE_NAME]"</p> <p><b>Req</b> - DS-3.1, DS-3.2, BR - 1.1</p>   | <p>1. Execute in a command line: "php converter.phar C:\converter\SOURCE_DIR C:\converter\SOURCE_DIR"</p> <p>2. See the USAGE and Error messages.</p> <p><b>Defect</b> - Wrong usage message</p>                            | always          | minor    | normal   | Variance from specs Enhancement | 1                       | We suggest adding the actual "Error" message text to the Req DS-3.2 since it is more informative for the user. |
| 2 | Wrong USAGE and Error messages text in when DESTINATION_DIR inside SOURCE_DIR. | <p>When starting the app where DESTINATION_DIR is inside SOURCE_DIR the text of the USAGE and Error messages doesn't correspond to the Req</p> <p><b>Exp</b> - "USAGE converter.phar SOURCE_DIR DESTINATION_DIR LOG_FILE_NAME",</p> <p>Error - "Destination dir may not reside within source dir tree."</p> <p><b>Act</b> - "USAGE: php converter.phar SOURCE_DIR DESTINATION_DIR [LOG_FILE_NAME]"</p> <p>"Error: DESTINATION_DIR may NOT be inside SOURCE_DIR"</p> <p><b>Req</b> - DS-3.1, DS-3.2, BR - 1.2</p> | <p>1. Execute in a command line: "php converter.phar C:\converter\SOURCE_DIR C:\converter\SOURCE_DIR\DESTINATION_DIR"</p> <p>2. See the USAGE and Error messages.</p> <p><b>Defect</b> - wrong usage and error messages</p> | always          | minor    | normal   | Variance from specs             | 2                       |  |

|   |  |  |   |        |          |        |                                       |   |  |
|---|--|--|---|--------|----------|--------|---------------------------------------|---|--|
| 3 | File with wrong (target) encoding converted      | <p>The app processes and converts the input file with UTF-8 encoding</p> <p><b>Exp</b> - The application should process input files with the following encodings: WIN1251, CP866, and KOI8R.</p> <p><b>Act</b> - The app processes input files with UTF-8 encoding</p> <p><b>Req</b> - DS-5.2</p>            | <p>1. Place in SOURCE_DIR a file of any format with UTF-8 encoding</p> <p>2. Execute in a command line:<br/>"php converter.phar<br/>C:\converter\SOURCE_DIR<br/>C:\converter\DESTINATION_DIR"</p> <p>3. Check the output converted file in the DESTINATION_DIR</p> <p><b>Defect</b> - wrong file encoding converted</p>   | always | medium   | normal | unexpected behaviour                  | 3 | We suggest displaying a warning message before converting the file with UTF-8 encoding saying that the file doesn't need to be converted since it already has the target encoding. |
| 4 | Previous log records lost with every app launch. | <p>Each time the app is launched the previous log records are lost while the log file still exists.</p> <p><b>Exp</b> - The application should append new records to the tail of the existing log</p> <p><b>Act</b> - The log records from the previous sessions are lost</p> <p><b>Req</b> - DS-4.3</p>     | <p>1. Execute in a command line:<br/>"php converter.phar<br/>C:\converter\SOURCE_DIR<br/>C:\converter\DESTINATION_DIR"</p> <p>2. Perform several operations of converting files.</p> <p>3. Stop the app by pressing CTRL+C</p> <p>4. See the logfile records.</p> <p>5. Launch the app again.</p> <p>6. See the logfile records.</p> <p><b>Defect</b> - previous logfile records are lost</p> | always | medium   | normal | missing feature, unexpected behaviour |   | We suggest specifying Req DS-4 with the client whether such app behaviour is presupposed by the log file rotation parameters (and include them in the Req) or not.                 |
| 5 | Files > 35 MB with .md not converted             | <p>Files .md with size more than 35 MB are not converted and the app performs shutdown</p> <p><b>Exp</b> - The application should process files up to 50 MB (inclusive)</p> <p><b>Act</b> - The application doesn't process .md files larger than 35 MB and performs shutdown</p> <p><b>Req</b> - DS-5.1</p> | <p>1. Place in SOURCE_DIR a file with extension .md larger than 35 MB</p> <p>2. Execute in a command line:<br/>"php converter.phar<br/>C:\converter\SOURCE_DIR<br/>C:\converter\DESTINATION_DIR"</p> <p>3. Check the absence of output converted file in the DESTINATION_DIR</p> <p><b>Defect</b> - .md files larger than 35 MB are not converted</p>   | always | critical | high   | missing feature                       |   |  |

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|---|--|---|---|--------|-------|--------|---|------------|---|
| 6 | Log format different for console and logfile                         | <p>Log format is different for the console and logfile. In the logfile it is straight text while in the console each operation description starts with the new line.</p> <p><b>Exp</b> - The log format is the same for the console and the log file</p> <p><b>Act</b> - The log format is different for the console and the log file</p> <p><b>Req</b> - DS-4.1</p>  | <ol style="list-style-type: none"> <li>1. Execute in a command line:<br/>"php converter.phar<br/>C:\converter\SOURCE_DIR<br/>C:\converter\DESTINATION_DIR"</li> <li>2. Perform several operations of converging files.</li> <li>3. See the logfile records in the console</li> <li>4. See the logfile records in the document</li> </ol> <p><b>Defect</b> - the format is different in the console and the log file document</p>  | always | minor | low    | Cosmetic flaw                             | 6.1<br>6.2 | We suggest changing the log file document format by example of console format since it is more readable and user-friendly.  |
| 7 | "Readonly" file converted and R/O attribute deleted by app.          | <p>The app deletes "readonly" attribute from a valid file and converts it before the shutdown.</p> <p><b>Exp</b> - The app shuts down displaying standard usage-message and incorrect parameter name, value, and proper error message.</p> <p><b>Act</b> - The app converts the file, deletes its "readonly" attribute and only then performs shutdown displaying the message of "Internal Exception".</p> <p><b>Req</b> - DS-2.4, DS-3</p>                       | <ol style="list-style-type: none"> <li>1. Place in SOURCE_DIR a file with valid format, encoding and size.</li> <li>2. Give this file "Readonly" attribute.</li> <li>2. Execute in a command line:<br/>"php converter.phar<br/>C:\converter\SOURCE_DIR<br/>C:\converter\DESTINATION_DIR"</li> <li>3. See the absence "Readonly" attribute in converted file in the "Output files" folder.</li> </ol> <p><b>Defect</b> - the app deletes "readonly" attribute from the file and converts it.</p> | always | major | normal | unexpected behaviour, variance from specs | 7          | We suggest specifying with the client the app reaction to the "readonly" files since by the common sense such file should be inaccessible to the app with the proper error message. |
| 8 | Opened file converted successfully with error message not from specs | <p>The app converts the file which is opened and then performs shutdown displaying the "Internal Exception" message which is not mentioned in the specs.</p> <p><b>Exp</b> - The app shuts down displaying standard usage-message and incorrect parameter name, value, and proper error message.</p> <p><b>Act</b> - The app converts the opened file and only then performs shutdown with the "Internal Exception" message.</p> <p><b>Req</b> - DS-2.4, DS-3</p> | <ol style="list-style-type: none"> <li>1. Place in SOURCE_DIR a file with valid format, encoding and size.</li> <li>2. Open the file from step 1.</li> <li>3. Execute in a command line:<br/>"php converter.phar<br/>C:\converter\SOURCE_DIR<br/>C:\converter\DESTINATION_DIR"</li> <li>4. See the converted file in the "Output files" folder.</li> <li>5. See the "Internal</li> </ol>  | always | major | normal | unexpected behaviour, variance from specs |            |   |

|  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|
|  |  |  | Exception" message in the log<br><b>Defect</b> - the app converts the opened file with the "Internal Exception" message. |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|

Attachments:

```
c:\converter>php converter.phar "C:\converter\input files" "C:\converter\input files"
Error: DESTINATION_DIR [C:\converter\input files] and SOURCE_DIR [C:\converter\input files] may NOT be the same dir.
USAGE: php converter.phar SOURCE_DIR DESTINATION_DIR [LOG_FILE_NAME]
Please note that DESTINATION_DIR may NOT be inside SOURCE_DIR.
c:\converter>
```

1.

```
c:\converter>php converter.phar "C:\converter\input files" "C:\converter\input files\Output files"
Error: DESTINATION_DIR [C:\converter\input files\Output files] may NOT be inside SOURCE_DIR [C:\converter\input files].
USAGE: php converter.phar SOURCE_DIR DESTINATION_DIR [LOG_FILE_NAME]
Please note that DESTINATION_DIR may NOT be inside SOURCE_DIR.
c:\converter>
```

2.

```
2021.03.04 02:34:26 Suitable file [win1251.txt] detected. Converting...
2021.03.04 02:34:26 + Converted OK. Source encoding was UTF-8.
2021.03.04 02:34:26 + Detection time was 0 sec, conversion time was 0 sec, performance was INF (extremely fast) MB/sec.
2021.03.04 02:34:26 + Source file deleted OK.
```

3.

```
2021.03.06 13:27:35 File Converter ver 2.0. Started with parameters: SOURCE_DIR=[C:\converter\input files], DESTINATION_DIR=[C:\converter\Output files], LOG_FILE_NAME=[textlog.txt]
2021.03.06 13:27:35 Press Ctrl+C at any time to exit
2021.03.06 13:28:51 Suitable file [picture.txt] detected. Converting...
2021.03.06 13:28:51 + Converted OK. Source encoding was WINDOWS-1251.
2021.03.06 13:28:51 + Detection time was 0.1793 sec, conversion time was 0.0145 sec, performance was 0.31483 MB/sec.
2021.03.06 13:28:51 + Source file deleted OK.
```

6.1.

```
2021.03.06 13:27:35 File Converter ver 2.0. Started with parameters:  
SOURCE_DIR=[C:\converter\Input files], DESTINATION_DIR=[C:\converter\Output  
files], LOG_FILE_NAME=[textlog.txt]2021.03.06 13:28:51 Suitable file  
[picture.txt] detected. Converting...2021.03.06 13:28:51 + Converted OK.  
Source encoding was WINDOWS-1251.2021.03.06 13:28:51 + Detection time was  
0.1793 sec, conversion time was 0.0145 sec, performance was 0.31483  
MB/sec.2021.03.06 13:28:51 + Source file deleted OK.
```

6.2.

```
2021.03.07 01:33:46 Suitable file [ MCP866.txt] detected. Converting...  
2021.03.07 01:33:47 + Converted OK. Source encoding was CP866.  
2021.03.07 01:33:47 + Detection time was 0.125 sec, conversion time was 0.6747 s  
ec, performance was 15.41101 MB/sec.  
Internal Exception [unlink(C:\converter\Input files\ MCP866.txt): Permission d  
enied in phar:///C:/converter/converter.phar/classes/Scanner.class.php at line 76  
]  
c:\converter>
```

7.

```
2021.03.07 02:20:37 Suitable file [ 𐄂WIN1251.txt] detected. Converting...  
2021.03.07 02:20:37 + Converted OK. Source encoding was WINDOWS-1251.  
2021.03.07 02:20:37 + Detection time was 0.2335 sec, conversion time was 0.0187  
sec, performance was 0.38496 MB/sec.  
Internal Exception [unlink(C:\converter\Input files\ 𐄂WIN1251.txt): Permissi  
on denied in phar:///C:/converter/converter.phar/classes/Scanner.class.php at lin  
e 76]  
c:\converter>
```

8.