

Assignment 1

Static Black-Box Testing – Testing a Requirements Specification

- **Perform Static Black-Box testing on the *Currency Converter Application Requirements Document*.**
 - Be sure you thoroughly review the posted materials for Week 1 and Week 2 before you start this assignment. Many issues regarding Static Black-Box testing of requirements statements are found there, as well as sample Static Black-Box requirements testing checklists that you may draw from.
 - Carefully review the accompanying software requirements specification (“CurrencyConverterReqsDoc.pdf”). That document is posted with this assignment.
 - Identify 8 *unique* Static Black-box “defects” found during your review of the Currency Converter Requirements Document.
 - You should submit a spreadsheet of 8 *unique* defects found during your Static Black-Box testing.
 - Your issues should be recorded in a spreadsheet as follows (*the defects listed here are made up for example purposes and are unrelated to our requirements document*).

Defect ID	Date/Time Entered	Tester Name	Source Section & Page	Problem Description	Suggested Resolution	Severity (L/M/H)
CH-01	12/27/23 2:42 pm	Tom Hagen	Section 3.10, Pg 14	Processing speed is specified as “fast” - this is un-quantified and un-measurable	Processing speed should be specified using measurable terms.	Low
CH-02	12/28/23 12:12 pm	Sal Tessio	Section 5.1, Pg. 21	All GUI windows are required to be “intuitive”. This is not measurable as specified.	More specific GUI guidelines should be specified that result in the expected “intuitive” nature	Low
CH-03	12/28/23 10:33 am	Johnny Fontane	Section 2.4 (Pg.19) & Section 2.29 (Pg. 22).	Section 2.29 indicates that there are no specific memory requirements for the application, but section 2.4 specifically limits the application’s memory footprint.	Clarify this inconsistency. Update to include the memory limitations, or remove those limitations from section 2.4	Med
CH-04	12/29/23 11:40 am	Tom Hagen	Section 4, Page 30	Reference is made to a function & GUI window called “Export Library”, but no other references to that functionality appear in the SRS.	Either remove references to the “Export Library” function, or completely specify the requirements of that feature.	High
...

Column Details:

Below are the details of what you should provide in each of the specified spreadsheet column:

- Defect ID – Create the defect ID's using your initials, a dash, then a number (count). *For example: CH-01, CH-02, ... , CH-08.*
- Date/Time Entered – Enter the date/time when you log the issue.
- Tester Name – You can use your own name, or you can make up a name if you'd like.
- Source Section & Page – Provide the document section number (i.e., 2.1.3, 3.4.3, etc.) and the page number (i.e., Page 1, Page 10, etc.) where the issue you are describing was found.
- Problem Description – Provide a brief description of the problem you have discovered. Be sure to indicate *why* it is a problem.
- Suggested Resolution – Provide what you feel would be a reasonable resolution – how should this requirements defect be rectified.
- Severity (L/M/H) – Use your own judgement to determine if the issue you are describing is of Low, Medium, or High severity.

Submissions & Grading

- Submissions are only accepted via D2L. One submission per student.
- Submission should include your spreadsheet only (in Excel or PDF format). No other documents needed.
(NOTE: If you generate a PDF, please check to see if the PDF is concise and readable – not spread across many pages)
- Late submissions will be accepted up to 1 week late, with a late submission penalty of 10%.
- Grading will be based upon the accuracy, clarity, thoroughness, and coverage of your defect spreadsheets.

*If you do not understand anything in this handout, please ask.
Otherwise the assumption is that you understand the content.*

Unsure? Ask!