

Software Quality Engineering – Assignment 1

Instructions

- Deadline: Sept 23, 2022, 5:30 pm
- All submissions will be done online at google classroom
- Assignment will be submitted by only 1 group member.
- You will submit
 - Your ARM report (template provided) + Rest of the assignment. More than 15% plagiarism in this document will result in Zero marks
 - Original SRS with micro level indicator identified x2

Statement

Question 1

All of you have been assigned three Requirements Specification documents from the SRS.zip file (1 group has 3 SRS). Convert all requirement from the document (functional, nonfunctional and constraints) in txt format and analyze them with NASA ARM validation tool (<https://arm.laplante.io>) and generate a report in this attached with this assignment statement

Please ensure to add a Screenshots ARM for only micro-level indicators.

As the tool only provides the indicator for good or bad SRS, you will be providing your judgment as an independent Business Analyst: e.g. This SRS document contains sufficient number of directives that indicate high level of understandability, OR This SRS document contain Significantly large number of weak phrases that indicate ambiguous and incomplete requirements etc. You can give your judgments for each SRS document in bulleted/numbered form.

Repeat this process for all 3 RS documents, and at the end you have to generate a table:

Requirements Specification quality ranking: from 1 - 3, 1 being highest rank in terms of quality, 3, indicated lowest rank in terms of quality)

The second task is to identify all the micro level indicators from all three SRS, highlight indicators as follows

Imperative

directive

Weak phrases

Options

Continuances

Question 2

How to test following domain applications and which testing techniques can be used? Explain with suitable examples and proper reasoning:

- Virtual Reality Applications
- Augmented Reality Applications
- Image Processing Applications
- AI based applications
- IOT based applications
- Web Applications
- Android/iOS applications