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**SOFTWARE ENGINEERING CONCEPTS**

**ASSIGNMENT #03**

**Submitted by:**

SYEDA LAIBA SHAHID (052)

MUBBARA MAJID (027)

AREEBA TAHIR (010)

NOOR FATIMA (046)

**Date:**

15-5-2024

**Question 1:** **Consider the software requirements document that you prepared in your assignment No. 1 and apply formal technical review process on it by filling the attached checklist. Sr. No. Checklist**

1. Does each software requirement have a unique identifier?

**Ans:** Yes

1. Is each software requirement prioritized?

**Ans:** No, not mentioned.

1. Are all unstable software requirements marked as such? (TBC=`To Be Confirmed')

**Ans:** No, no indication

1. Is each software requirement traced back to the URD, and, where relevant, is an explanation included?

**Ans:** No, not mentioned.

1. Are the software requirements complete? (All user requirements are covered; all relevant input situations are accounted for.)

**Ans:** Yes

1. Are the software requirements consistent? (Implementable.)

**Ans:** Yes

1. Is overlap among software requirements pointed out explicitly? (Redundancy; cross-reference.)

**Ans:** No, not mentioned.

1. Are the software requirements expressed in a structured way, as a hierarchy of abstractions?

**Ans:** Yes

1. Are the software requirements sufficiently formalized? (Mathematical.)

**Ans:** Yes

**10-**Are critical properties of the software requirements proved?

**Ans:** No, not mentioned.

**11-**Is all formalized and diagrammatic material accompanied by sufficient explanatory text in natural language?

**Ans:** No, not included.

**12-**Are design decisions that restrict developer freedom (w.r.t. the user requirements), documented explicitly and motivated?

**Ans:** No, not mentioned.

**13-**If applicable, is a user interface prototype described in detail? Is the version of this prototype stated, and can this prototype be recovered for later experimentation?

**Ans:** Yes

**14-**Are exploratory prototypes described for those areas where the project team lacks experience? (In appendices.)

**Ans:** No, not mentioned.

**15-**Are all internal cross-references to other requirements, correct?

**Ans:** No,no internal cross-references

**16-**Are all requirements written at a consistent and appropriate level of detail?

**Ans:** Yes

**17-**Do the requirements provide an adequate basis for design?

**Ans:** Yes

**18-**Are all external hardware, software, and communication interfaces defined?

**Ans:** No, not defined.

**19-**Does the specification include all of the known customer or system needs?

**Ans:** Yes

**20-**Is the expected behavior documented for all anticipated error conditions?

**Ans:** No, not mentioned.

**21-**Do any requirements conflict with or duplicate other requirements?

**Ans:** No, not mentioned.

**22-**Is each requirement written in clear, concise, unambiguous language?

**Ans:** Yes

**23-**Is each requirement verifiable by testing, demonstration, review, or analysis?

**Ans:** Yes

**24-**Is each requirement in scope for the project?

**Ans:** Yes

**25-**Is each requirement free from content and grammatical errors?

**Ans:** Yes

**26-**Is any necessary information missing from a requirement? If so, is it identified as TBD?

**Ans:** TBD

**27-**Are any specified error messages unique and meaningful?

**Ans:** Yes

**28-**Are all performance objectives properly specified?

**Ans:** Yes

**29-**Are all security and safety considerations properly specified?

**Ans:** Yes

**30-**Are all requirements actually requirements, not design or implementation solution?

**Ans:** Yes