**cs4473B/cs9551B**

**INDIVIDUAL TEMPLATE**

**Reading Summary and Questions and Answers**

**Rules – please note these carefully:**

* Submission filename MUST be: “**Last-name First-name” “Group”<id>\_”Chapter” (or reading) <id> (e.g., Blogs Joe\_Group 3\_Chapter 2)**
* This template must be used for ONLY ONE chapter (or reading) at a time. For the second item of reading, if any, please use another copy of this template.
* **PLEASE compress multiple files (one file/chapter) using standard (e.g., Windows) compression that can be uncompressed on a Windows machine with simple clicks. Please do not use unusual/fancy compression tool; your template won’t be graded and you will be penalised.**
* **Submission to be done on OWL as per the deadline set.**
* **EMAIL SUBMISSION WILL NOT BE ACCEPTED AND WILL INCUR PENALTY.**
* **Use of template is mandatory**: submission of text made outside the template will result in a zero mark.
* **Altering this template (meta-items) will incur a penalty.**
* Submission format is **MS WORD only** **(not PDF)**. PDF files will incur a penalty.
* The source of the answer captured from the chapter must be accurate or closest to the context (e.g., Chapter #, Section or sub-section #, page number, etc.).
* The question must be properly and fully specified, and easily understandable. Cryptic text or grammatical errors will be penalised – no appeals accepted.
* The question must not be so general or non-specific to apply to non-specific answers.
* The answer (text identified from chapter) must be an important point, not something trivial or highly specific to a context.
* Answer from the book must be copied “as-is” from the text (**reference** to chart/table/figure/etc., in the reading is permitted and encouraged). Cryptic text or grammatical errors will be penalised – no appeals accepted.
  + *If in doubt about the quality or acceptability of your text, you will have one chance to have it reviewed by the instructor for “live” feedback. No emails please.*
* Assessment of your submitted template will be done sometime before the end of the term. Please do not expect marks of your submission every week!
* There will be no “remake” of the summaries (e.g., for improving the mark). It is a one-time submission and assessment. Late submissions will not be accepted.

**Part 1: Summary**

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| **Group member’s name**: Yulun Feng **Group No**: 2 |
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| Please write the **full reference** of the reading in the WHITE box below.   * + Chapter #, Chapter title (or article title if appropriate).   + Book title   + Author(s)   + Publisher   + Book edition, Year of publication   (Example shown below; overwrite on that space.) |
| Chapter 7: Requirements elicitation  *Software Requirements, 3rd ed.*  Weigers and Beatty  Microsoft, 2013 |
| Please write in the WHITE box below an abstract of the reading in **50-75 words**. |
| The chapter discusses the crucial aspect of documenting software requirements effectively, emphasizing the importance of clear communication in the requirements development process. It outlines the structure and purpose of a Software Requirements Specification (SRS) document, highlighting its role in capturing the necessary details for project planning, design, and implementation. The text stresses the significance of organizing and recording requirements in a manner that is accessible and understandable to all stakeholders involved, ensuring that the project's objectives are met efficiently. |

**Part 2: Questions, Answers and Comments**

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| Please create **THREE** important **Question-Answer-Comment sets** from the given reading:   * State your question succinctly. Add more lines as needed. * State <LOCATION of answer in the book (e.g., section #>: <as-is answer EXACTLY from the book> ; please indicate whether a hardcopy or ebook ‘cause the page numbers are not the same. * State your Comment related to the answer; this is mandatory.   **NOTE: The following will be penalised: a cryptic question; inaccurate copying of the answer; a trivial point; “too specific or small detail”; missing or trivial comment; etc.. Informative, insightful, or key concept/idea, question, answer, and comment are expected.**   * + Actual chart/table/figure/etc. must NOT be given in the text below, but you may site its location in the reading by giving precise specification. |
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| For staff use only:  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |
| **(1)**  **QUESTION: How can an SRS document ensure clear communication among all stakeholders involved in a software project?**  **ANSWER:**  **<ebook><P183 – The Software Requirement Specification>**  **“The SRS states the functions and capabilities that a software system must provide, its characteristics, and the constraints that it must respect. It should describe as completely as necessary the system’s behaviors under various conditions, as well as desired system qualities such**  **as performance, security, and usability.”**  **<ebook><P199 – Requirements specification on agile projects>**  **“Teams might begin specification on agile projects by writing just enough information for each user story so that the stakeholders have a general understanding of what the**  **story is about and can prioritize it relative to other stories.”**  **COMMENT (also include where possible: an \*example\*, citation, justification, etc. -- to support your comment).**  **This question is important because the success of software projects often hinges on the ability of stakeholders to understand and agree upon the requirements. The SRS document plays a pivotal role in this process by providing a clear, comprehensive, and accessible description of what the software will do, without specifying how the software will do it. Ensuring that this document is well-constructed and understandable by all stakeholders can significantly reduce misunderstandings and rework, leading to more efficient project completion.** |
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| **(2)**  **QUESTION: What strategies can be employed to organize and record software requirements effectively in the SRS document to accommodate project planning, design, and implementation needs?**  **ANSWER:**  **<ebook><P185 – The software requirements specification>**  **”** **It’s important to organize and write the SRS so that the diverse stakeholders can understand it.”**  **<ebook><P186 – Labeling requirements>**  **“Every requirement needs a unique and persistent identifier. This allows you to refer to specific requirements in a change request, modification history, cross-reference, or requirements traceability matrix.”**  **COMMENT (also include where possible: an \*example\*, citation, justification, etc. -- to support your comment):**  **This question is critical as the method of organizing and documenting software requirements can greatly influence the project's development process. Effective strategies can help in making the SRS document not only a tool for initial planning but also a reference throughout the project lifecycle. A well-structured SRS helps in ensuring that the requirements are complete, consistent, and understandable, which is essential for the smooth progression from planning to design and implementation.** |
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| **3)**  **QUESTION: How can SRS document be structured to ensure it is accessible and understandable to a wide audience, including non-technical stakeholders?**  **ANSWER:**  **<ebook><P198 – Usability> “Usability requirements deal with ease of learning, ease of use, error avoidance and recovery, efficiency of interactions, and accessibility.”**  **COMMENT (also include where possible: an \*example\*, citation, justification, etc. -- to support your comment):**  **The importance of this question lies in the diverse nature of project stakeholders, which can range from technical developers to non-technical business partners. A well-structured SRS that is accessible and understandable to everyone ensures that all parties have a common understanding of the project goals and requirements. This inclusivity fosters better collaboration and decision-making, ensuring that the software developed meets the needs and expectations of all stakeholders.** |