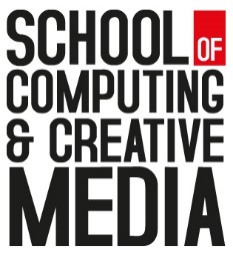
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Bachelor of Software Engineering  
**Software Requirements Engineering XBSE 2023N**

September 2024

**ASSIGNMENT: GROUP ASSIGNMENT**

Course Title : SOFTWARE REQUIREMENTS ENGINEERING

Course Code : XBSE 2023N

Course Lecturer : Cindy De Vosse

: c.devosse@uow.edu.my

**BRIEF**

You and your partner are owners of a new IT startup. In order to expand you company, you need raise funds. You are participating in an IT Competition organized by the Malaysian Board of Technology to develop softwares that are needed by society and are relevant to the current landscape. You are looking into several areas (listed below) as your project to compete in the competition to raise funds for your startup.  Below are a list of possible softwares that you are looking into to develop to win the judges’ votes to raise fund for your startup.

*Your team is considering to develop any one of the following system Malaysian Board of Technology*.

1. *Student Registration System*
2. *Online Banking System*
3. *All-In-One Travel System (Booking of Accommodation and Modes of Travel)*
4. *E-Hailing System*
5. *Food Delivery Application System*
6. *Tracing and Tracking System*
7. *Online Dating Platform*
8. ***Or any other suitable system***

*Perform a system investigation and analyse the system to determine the requirements (operational, functional, hardware, software, input, process, output, etc.) for such a system.*

*You are required to develop a* ***Software Requirements Specification*** *document for the system chosen. Apply the Software Requirements Specification Template document located for a list of what information may need to be included. You may decide to include additional information as applicable and any diagrams that will help in the analysis.*

This assignment represents 30% (*20% report + 10% presentation*) of the module and is to be completed in a group of 3-4 members. You are required to develop a Software Requirements Specification document.

**General Instructions**

* Use refereed materials to support your ideas, strategies and recommendations.
* You should use Times New Roman font, 12 point font style and 1.5 line spacing.
* Submit a ZIP file of documents by uploading onto Open Learning (*a folder will be created*).
* The ZIP file must contain the following documents:-
  1. Report (one copy for the group)
  2. Presentation Slides
  3. Marking rubrics
  4. Self and Peer Assessment Form (each member needs to fill-up and submit to lecturer individually)

**Date of Submission**

Date of submission is **14th November 2024 (Thursday), latest by 11am** (upload onto Open Learning). The presentation will be on the **14th November 2024 (Thursday)** during class session. Students are to adhere to this deadline. Failure to meet deadline due to loss of file and breakdown of computer/printer will not be accepted. Failure to meet deadline due to health and/or family reasons must be supported with relevant documents (example: medical certificates from approved government hospitals) and must be submitted within one (1) working day.

**Academic Standard**

Academic dishonesty is a basis for disciplinary action. It includes but is not limited to activities such as plagiarism. The module lecturer reserves the right to grant a zero mark to an assignment if an act of plagiarism is committed. Here are some examples of plagiarism:

1. ***Outright plagiarism***

Large sections of the assignment are simply copied from other sources and the sources are not acknowledged as quotations.

1. ***Paraphrasing***

The student paraphrases a closely reasoned argument of an author without acknowledging that he or she has done so. Clearly, all our knowledge is derived from somewhere, but detailed arguments from clearly identifiable sources must be acknowledged.

1. ***Other sources***

Essays or papers that are written by other students or sold by unscrupulous organizations are submitted by students.

1. ***Works by others***

Talking credit deliberately or not deliberately for work produced by another author without giving proper acknowledgement. This includes photographs, charts, graphs, drawings, statistics, tables, diagrams, video-clips, audio-clips, and texts printed on website.

1. ***Double credit***

The student submits the same assignment to two or more modules.

#### Self & Peer Assessment Form

One of the advantages of working as a group is that you can all benefit from each other's strengths. The purpose of this exercise is to give recognition to the varied contributions that individuals make to the group. The lecturer will use the completed form as a guide to distribute marks between team members. If very large differences occur in the perception of the contribution of particular individuals, the lecturer may ask the group to discuss and to reach an agreement.

Below is a list of some examples of processes which you will most likely be involved in completing the project. Depending on the nature of your group project, you may modify this list by adding/deleting some processes, if everyone in the group agrees.

Examples of group project processes (please note that the list is only indicative): **1 Ideas and suggestions**

**2 Leadership, group organisation and support**

**3 Research data / analysis**

**4 Report writing and editing**

Using the Self & Peer Assessment Form, independently assess the relative contribution of each team member, including yourself. You should take into consideration quality and effectiveness of the contribution as well as amount of effort spent. Consider an individual’s contribution in terms of the following scale:

#### Grade

9-10 The individual who earns this evaluation has consistently contributed. He or she has demonstrated an understanding of the material, a willingness to work consistently to achieve a high-quality output, to help others, and to be flexible in scheduling. Essentially, this assessment indicates that the individual has done more than his or her “fair share” and has shown initiative and interest throughout the term.

7- 8 An individual who earns this evaluation has contributed in an average way. Performance was generally good but perhaps was inconsistent. This individual did the tasks that were assigned to him or her but rarely took initiative. Inconsistent attendance at meetings or lack of preparation at times slowed progress or other similar tendencies at times diminished a generally solid contribution. This individual usually contributed his or her fair share.

5-6 This evaluation indicates that the individual performed below reasonable expectations. Whether it was quality of work, attendance at meetings, preparation, interest in the project, initiative, understanding of the material, or meeting deadlines, this individual performed at the level below what one would normally expect. Essentially, the group would have been better off without the contributions of this person.

1-4 This range indicates that the individual made insignificant contributions, if any, to the project and was essentially dead weight. This individual made a minimal effort to get involved and basically depended on others, though he or she may have contributed at some point during the semester.

#### Self and Peer Assessment Form

*(Key-in your details and attach this page to your assignment)*

**Subject Code & Name:-**

**Group Assignment Title:-**

UOW Malaysia Student Name and Number:-

1. List the student numbers in the table below.
2. For each member in your group, evaluate the quality of contribution throughout the project (You should use the evaluation criteria above to assign a numeric evaluation)
3. Sum the number of points allocated to each member in the group.
4. No same marks are to be allocated more than once. Only “round numbers/whole numbers/integers” are accept. Decimal points are not accepted.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **No.** | **Name and Student number** | **Group Project Report** | | | | **Total** |
| **1** | **2** | **3** | **4** |  |
| 1 | Member 1 (012222) |  |  |  |  |  |
| 2 | Member 2 (011111) |  |  |  |  |  |
| 3 |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |

Evaluating a peer is a difficult thing to do whether it is in a class or on the job. However, for a team project like the one in this course to work and for the workload to be fairly distributed, everyone needs to contribute. A student who has contributed significantly should be recognised with an assessment that reflects that contribution. Likewise, a student who did not meet expectations should not benefit from the work of others.

#### Comments

Use this space if you wish to draw to the attention of the tutor any particular points about the way your group operated.

**XBSE 2023N Software Requirements Engineering Marking Rubric**

|  |  |
| --- | --- |
| **Description** | **Marks** |
| **Introduction** |  |
| §   Purpose of the document is clear | 2 |
| §   Intended readership and why the document is relevant to each group is specified | 2 |
| §   Product Scope refers the reader to the top-level use case diagram. The diagram is sufficiently described in general terms. | 2 |
| **Functional Requirements** |  |
| §   Requirements are clear, specific, measurable, and testable. Requirements are well-defined with no ambiguity. | 15 |
| Prove requirements traceability is maintained | 10 |
| §   All FRs from the top-level use case diagram have corresponding use case specifications with corresponding numbers and names. | 8 |
| §   Any complex top-level use case diagrams are broken down into sub-use case diagrams, with corresponding use case specifications | 8 |
| §   Any sub-use case diagrams use correct UML notation. | 5 |
| §   Use case specifications are written in a consistent, clear style | 5 |
| **Non Functional Requirements** |  |
| §   The NFRs are clear, concise, and testable | 15 |
| §   Prove requirements traceability is maintained | 10 |
| §   The NFRs are well-organized & prioritized | 7 |
|  |  |
| **Page, Table of Content** |  |
| §   Each appendix is clear, concise, and contains all information specified in the SRS instructions | 3 |
| §   Well-formatted table of contents with appropriate information | 2 |
| **Writing style, grammar, and formatting** |  |
| §   Writing style is clear and concise | 2 |
| §   All sections contain a brief introduction | 2 |
| §   All figures and tables are both numbered and labeled and referred to in the text | 2 |
| **Total** | **100** |