

SafeAssign Originality Report

SOFTWARE DESIGN • User Story Mapping (20%)

SOON YUEN
FONG -

Total Score:  Medium risk 40 %

Submission UUID: fc8f8c05-5ca8-772e-508d-e616dd765325

Total Num...	Highest Ma...	Average M...	Submitted ...	Average W...
2	40 % 4067CEM_AU...	40 %	10/0...	1,619 06:19 PM GM... Highest: 4067...

 Attachment 140 % Word Count: 1,619
4067CEM_AUG2022_ContinuousAssessment-signed.pdf**Institutional database (14)**

40 %

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Top sources (3) 1

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Excluded sources (0) 1 INTI International College Penang School of Engineering and

Technology

3+0 Bachelor of Science (Hons) in Computer Science, in collaboration with Coventry University, UK

3+0 Bachelor of Science (Hons) in Computing, in collaboration with Coventry University, UK

Coursework cover sheet

(2) Section A - To be completed by the student

Full Name:

(3) CU Student ID Number:

Semester:

Session:

August 2022

Lecturer:

(1) Nadhrah Abdul Hadi (nadrah.abdulhadi@newinti.edu.my)

Module Code and Title:

4067CEM Software Design

Assignment No. / Title:

Continuous Assessment

(4) % of Module Mark:

50

(1) Hand out Date:

6th September 2022

Due Date:

Task 1: (1) 30 September 2022, by 11.59pm.

Task 2: (1) 18 November 2022, by 11.59pm

Task 3: (1) 4 November 2022, by 11.59pm.

Task 4: (1) 4 November 2022, by 11.59pm.

Task 5: (1) 4 November 2022, by 11.59pm.

Penalties: (1) No late work will be accepted. If you are unable to submit coursework on time due to extenuating circumstances, you may be eligible for an extension. Please consult the lecturer.

Declaration: (1) I/we the undersigned confirm that I/we have read and agree to abide by the

(5) University regulations on plagiarism and cheating and Faculty coursework policies and

procedures. (1) I/we confirm that this piece of work is my/our own. I/we consent to appropriate

(1) storage of our work for plagiarism checking.

Signature(s): _____

Soon Yuen Fong

P22014046

2

(1) Section B - To be completed by the module leader

Intended learning outcomes assessed by this work:

1. (1) Understand and apply appropriate concepts, tools and techniques to each stage of the

software development

2. (1) Understand and apply design patterns to software components in developing new software

3. (1) Demonstrate an understanding of project planning and working to agreed deadlines, along with professional, interpersonal skills and effective communication required for software

production

5. (6) Demonstrate an awareness of, and ability to apply, social, professional, legal and ethical

(1) standards as documented in relevant laws and professional codes of conduct such as that of

the Malaysian National Computer Confederation.

(1) Marking scheme Max Mark

1. (7) User Story Mapping

2. (1) Setting up a GitHub

Repository

3. (1) Creating a Class diagram and

design pattern selection

4. Creating a Prototype User

Interface and Usability Testing

5. Discuss the ethical issue

⑧ related to the software

20

10

30

20

20

Total 100

① The 4067CEM assessment should be completed as a full individual work over the course of

the module. ① The assessment output are only judged at the end of the module and not by the

expectations during that week. ① The assessment should be undertaken individually. All

① submissions will be checked against each other and the internet for possible plagiarism.

Activities – These activities consists of 50% of your coursework marks. It will be run throughout the

① semester and there will be a final submission at the end of the semester. These activities consists

① of activities that will be done in a software design phase.

System

⑨ College Buddy System for Students.

⑩ Task 1 – User Story Mapping (20 marks)

The first thing that you need to do is ask the user what they wished for in a system. The user here

can be your friends as the system is related to them. Get at least 10 real users to get their feedback.

Document their feedback. Use software like Miro to complete this activity.

Output – All the user stories, backlog with goals, activities and tasks. In Word format, uploaded to

GitHub.

Due – Week 6 of the semester. ① 30 September 2022, by 11.59pm.

Task 2 – Setting up a GitHub Repository (10 marks)

This is where the output of the tasks will be stored, Make sure you register an account, create a repository and your files are uploaded here and it is in an organized manner and can be easily found.

Output – GitHub Repository with Task 1, Task 3, Task 4 and Task 5 documents. Take note the date

of the files will be shown so you must follow the due date of each task.

Due – It will be accessed at Week 13 of the semester. ① 18

November 2022, by 11.59pm

③ Task 3 – Creating a Class diagram and design pattern selec-

tion (30 marks)

Create a simple Class diagram which should consists of the Classes that might be used to represent the system and the association between them. You don't have to declare the attributes and operations for this activity. You do have to explain the class responsibility of each class declared.

You can use software like StarUML to complete this activity.

Output – A class diagram containing classes and associations. In Word format, uploaded to GitHub.

(11) Consider the problem and select a suitable design pattern that can be implemented on the problem.

Give justification on why the design pattern was chosen. Draw the UML diagram representing your

(12) class diagram as a design pattern UML. Include all the abstract class/interface, concrete class and

inheritance (if any) used to represent the problem.

(12) Output – UML diagram representing the design pattern. In Word format, uploaded to GitHub.

Due – Week 11 of the semester. (1) 4 November 2022, by 11.59pm.

Task 4 – Creating a Prototype User Interface and Usability Testing (20 marks)

Create a Prototype User Interface (hand drawn/digital) of TWO (2)

important functions of the

proposed system. (13) Come up with a usability testing questions.

You don't have to carry out the test,
just prepare the questions. You should indicate what you are test-
ing for in the Usability Testing.

(13) Output – A Prototype and Usability Testing Questions. In
Word format, uploaded to GitHub.

Due – Week 11 of the semester. (1) 4 November 2022, by
11.59pm.

(14) Task 5 – Discuss the ethical issue related to the software (20
marks)

Discuss and do a critical analysis of your software in this areas, pri-
vacy concerns, intellectual

(8) property rights and effects on the society.

Output – A report in Word format, uploaded to GitHub.

Due – Week 11 of the semester. (1) 4 November 2022, by
11.59pm.

Submission

All tasks needed to be documented in Word format and submitted
for SafeAssign checking (Links

will be provided before the due date).

Upload the document and the SafeAssign report to your GitHub repository by each task due date.

Due – It will be accessed at Week 13 of the semester.  18

November 2022, by 11.59pm

Marking Rubric for Continuous Assessment

Marks Below 40% Marks in the range

40 – 49%

Marks in the range

50 – 59%

Marks in the range

60 – 69%

Marks 70% and

above

User Story

Mapping (20 marks)

User Story Mapping not done or User Story copied/does not match the exact system.

User Story Mapping done at a minimum level and does not capture the important activities of the system.

User Story Mapping done and does capture several important activities of the system. The breakdown of the user story mapping

can be improved.

User Story Mapping done and does capture several important activities of the system. The breakdown of the user story mapping is good and uses software that can assist that process (For example Miro compared to Ms Word).

User Story Mapping done and does capture most important activities of the system. The breakdown of the user story mapping is excellent and uses software that can assist that process (For example Miro compared to Ms Word).

Setting up a

GitHub

Repository (10 marks)

GitHub repository does not exist or cannot be accessed or the required files are not available at the time of access.

GitHub repository exist and some of the required files are not available at the time of access.

GitHub repository exist and most of the required files are available at the time of access. However the dates does not follow the required deadline.

GitHub repository exist and all of the required files are available at the time of access. However the dates for some files does not follow the required deadline.

GitHub repository exist and all of the required files are available at the time of access. The dates on the files follows the required deadline.

Creating a

Class diagram

and design

pattern

selection

(30 marks)

The Class diagram does not represent the required solution (contains generic or non-related classes such as admin), the design pattern suggested is not suitable for the given problem.

The Class diagram and design pattern represent the required solution but in a very general and incomplete way. Required classes in the design are not declared.

The Class diagram and design pattern represent the required solution in a partial way. A few required classes in the design are not declared.

The Class diagram and design pattern represent the required solution in a satisfactory way. Most required classes are declared.

The Class diagram and design pattern represent the required solution in an excellent way. All required classes are declared.

Creating a

Prototype User Interface and

Usability Testing

(20 marks)

No prototype were available or the measurement for the usability testing is not clear.

The prototype cover minimalist and trivial design (such as login) and the measurements for the usability testing are not clear.

The prototype cover adequate design and several measurements for the usability testing are not clear.

The prototype cover good design and most measurements for the usability testing are clear.

The prototype cover excellent design and all measurements for the usability testing are clear.

Discuss the

ethical issue

related to the

software

(20 marks)

There is no discussion on the ethical issue or only the theories are pasted back for this component.

There is an attempt to discuss on the ethical issue but no critical

analysis was done

There is an attempt to discuss on the ethical issue with some critical analysis was done

There is an attempt to discuss on the ethical issue with good critical analysis.

There is an attempt to discuss on the ethical issue with excellent critical analysis.

Source Matches (49)

1	<i>Student paper</i>	100%
	Student paper INTI International College Penang School of Engineering and Technology 3+0 Bachelor of Science (Hons) in Computer Science, in collaboration with Coventry University, UK 3+0 Bachelor of Science (Hons) in Computing, in collaboration with Coventry University, UK Coursework cover sheet	Original source INTI International College Penang School of Engineering and Technology 3+0 Bachelor of Science (Hons) in Computer Science, in collaboration with Coventry University, UK 3+0 Bachelor of Science (Hons) in Computing, in collaboration with Coventry University, UK Coursework cover sheet
2	<i>Student paper</i>	100%
	Student paper Section A - To be completed by the student	Original source Section A - To be completed by the student
3	<i>Student paper</i>	100%
	Student paper CU Student ID Number:	Original source CU Student ID Number

1	<i>Student paper</i>	100%
Student paper Nadrah Abdul Hadi (nadrah.abdul-hadi@newinti.edu.my) Module Code and Title: 4067CEM Software Design	Original source Nadrah Abdul Hadi (nadrah.abdul-hadi@newinti.edu.my) Module Code and Title 4067CEM Software Design	

4	<i>Student paper</i>	77%
Student paper % of Module Mark:	Original source 70% of Module Mark	

1	<i>Student paper</i>	100%
Student paper Hand out Date:	Original source Hand out Date	

1	<i>Student paper</i>	65%
Student paper 30 September 2022, by 11.59pm.	Original source 13 May 2022, by 11.59pm	

1	<i>Student paper</i>	65%
Student paper	Original source	
18 November 2022, by 11.59pm	13 May 2022, by 11.59pm	

1	<i>Student paper</i>	65%
Student paper	Original source	
4 November 2022, by 11.59pm.	13 May 2022, by 11.59pm	

1	<i>Student paper</i>	65%
Student paper	Original source	
4 November 2022, by 11.59pm.	13 May 2022, by 11.59pm	

1	<i>Student paper</i>	65%
Student paper	Original source	
4 November 2022, by 11.59pm.	13 May 2022, by 11.59pm	

1	<i>Student paper</i>	84%
	<p>Student paper</p> <p>No late work will be accepted. If you are unable to submit coursework on time due to extenuating circumstances, you may be eligible for an extension. Please consult the lecturer.</p>	<p>Original source</p> <p>No late work will be accepted If you are unable to submit coursework on time due to extenuating circumstances, you may be eligible for an extension If you are unable to submit coursework on time due to extenuating circumstances, you may be eligible for an extension Please consult the lecturer</p>

1	<i>Student paper</i>	68%
	<p>Student paper</p> <p>I/we the undersigned confirm that I/we have read and agree to abide by the</p>	<p>Original source</p> <p>I/we the undersigned confirm that I/we have read and agree to abide by the University regulations on plagiarism and cheating and Faculty coursework policies and procedures</p>

5	<i>Student paper</i>	66%
Student paper	Original source	I the undersigned confirm that I have read and agree to abide by the University regulations on plagiarism and cheating and Faculty coursework policies and procedures

1	<i>Student paper</i>	100%
Student paper I/we confirm that this piece of work is my/our own.	Original source I/we confirm that this piece of work is my/our own	

1	<i>Student paper</i>	75%
Student paper storage of our work for plagiarism checking.	Original source I/we consent to appropriate storage of our work for plagiarism checking	

<p>① <i>Student paper</i></p> <p>Student paper</p> <p>Section B - To be completed by the module leader Intended learning outcomes assessed by this work:</p>	<p>Original source</p> <p>Section B - To be completed by the module leader Intended learning outcomes assessed by this work</p> <p>Section B - To be completed by the module leader Intended learning outcomes assessed by this work</p>	67%
<p>① <i>Student paper</i></p> <p>Student paper</p> <p>Understand and apply appropriate concepts, tools and techniques to each stage of the</p>	<p>Original source</p> <p>Understand and apply appropriate concepts, tools and techniques to each stage of the software development</p>	90%
<p>① <i>Student paper</i></p> <p>Student paper</p> <p>Understand and apply design patterns to software components in developing new software</p>	<p>Original source</p> <p>Understand and apply design patterns to software components in developing new software</p>	100%

1	<i>Student paper</i>	66%
Student paper	Original source	Demonstrate an understanding of project planning and working to agreed deadlines, along with professional, interpersonal skills and effective communication required for software production Demonstrate an understanding of project planning and working to agreed deadlines, along with professional, interpersonal skills and effective communication required for software production

6	<i>Student paper</i>	67%
Student paper	Original source	Demonstrate an awareness of, and ability to apply, social, professional, legal and ethical standards as documented in professional codes of conduct of computing & IT professional bodies

1	<i>Student paper</i>	64%
Student paper standards as documented in relevant laws and professional codes of conduct such as that of	Original source Demonstrate an awareness of, and ability to apply, social, professional, legal and ethical standards as documented in relevant laws and professional codes of conduct such as that of the Malaysian National Computer Confederation	

1	<i>Student paper</i>	100%
Student paper Marking scheme Max Mark	Original source Marking scheme Max Mark	

7	<i>Student paper</i>	100%
Student paper User Story Mapping	Original source User Mapping Story	

1	<i>Student paper</i>	70%
Student paper Setting up a GitHub	Original source Setting up a GitHub Repository 3	

1	<i>Student paper</i>	69%
Student paper	Original source	
Creating a Class diagram and	Creating a Class diagram and design	
	pattern selection	

8	<i>Student paper</i>	65%
Student paper	Original source	
related to the software	Ethical issue related to the Software	

1	<i>Student paper</i>	94%
Student paper	Original source	
The 4067CEM assessment should be completed as a full individual work over the course of	The 4067CEM assessment should be completed as a full individual work over the course of the module	

1	<i>Student paper</i>	84%
Student paper	Original source	
The assessment output are only judged at the end of the module and not by the	The assessment output are only judged at the end of the module and not by the expectations during that week	

1	<i>Student paper</i>	100%
Student paper The assessment should be undertaken individually.	Original source The assessment should be undertaken individually	

1	<i>Student paper</i>	98%
Student paper submissions will be checked against each other and the internet for possible plagiarism. Activities – These activities consists of 50% of your coursework marks.	Original source All submissions will be checked against each other and the internet for possible plagiarism Activities – These activities consists of 50% of your coursework marks	

1	<i>Student paper</i>	83%
Student paper semester and there will be a final submission at the end of the semester.	Original source It will be run throughout the semester and there will be a final submission at the end of the semester	

1	<i>Student paper</i>	84%
Student paper of activities that will be done in a software design phase.	Original source These activities consists of activities that will be done in a software design phase	
9	<i>Student paper</i>	72%
Student paper College Buddy System for Students.	Original source College Events System for Students	
10	<i>Student paper</i>	80%
Student paper Task 1 – User Story Mapping (20 marks)	Original source Task 1 - User Story Mapping	
1	<i>Student paper</i>	65%
Student paper 30 September 2022, by 11.59pm.	Original source 13 May 2022, by 11.59pm	

1	<i>Student paper</i>	65%
Student paper	Original source	
18 November 2022, by 11.59pm	13 May 2022, by 11.59pm	
3	<i>Student paper</i>	87%
Student paper	Original source	
Task 3 – Creating a Class diagram and design pattern selection (30 marks)	Task 3 – Creating a Class diagram and design pattern selection	
11	<i>Student paper</i>	74%
Student paper	Original source	
Consider the problem and select a suitable design pattern that can be implemented on the problem.	The suitable design pattern that can be implemented on the problem is facade	
12	<i>Student paper</i>	78%
Student paper	Original source	
class diagram as a design pattern UML.	UML Diagram with Design Pattern	

12	<i>Student paper</i>	73%
Student paper Output – UML diagram representing the design pattern.	Original source UML Diagram with Design Pattern	

1	<i>Student paper</i>	68%
Student paper 4 November 2022, by 11.59pm. Task 4 – Creating a Prototype User Interface and Usability Testing (20 marks)	Original source 13 May 2022, by 11.59pm Creating a Prototype User Interface and Usability Testing 5	

13	<i>Student paper</i>	69%
Student paper Come up with a usability testing questions.	Original source Usability Testing Questions	

13	<i>Student paper</i>	65%
Student paper Output – A Prototype and Usability Testing Questions.	Original source Usability Testing Questions	

1	<i>Student paper</i>	65%
Student paper	Original source	
4 November 2022, by 11.59pm.	13 May 2022, by 11.59pm	

14	<i>Student paper</i>	85%
Student paper	Original source	
Task 5 – Discuss the ethical issue related to the software (20 marks)	Task 5 – Discuss the ethical issue related to the software	

8	<i>Student paper</i>	65%
Student paper	Original source	
property rights and effects on the society.	Effects on Society	

1	<i>Student paper</i>	65%
Student paper	Original source	
4 November 2022, by 11.59pm.	13 May 2022, by 11.59pm	

1	<i>Student paper</i>	65%
Student paper	Original source	
18 November 2022, by 11.59pm	13 May 2022, by 11.59pm	

Attachment 2

User story mapping (re-edit).pdf

Source Matches (0)