

## SafeAssign Originality Report

SOFTWARE DESIGN • Creating a Prototype User Interface and Usability Testing (20%)

KEVIN GOH WING CHIEN -

Total Score:  High risk 82 %

Submission UUID: 98c27c6d-ccf3-f82e-edaa-b7e10e267b38

Total Number of Reports	Highest Match	Average Match	Submitted on	Average Word Count
2	100 % 4067CEM_AUG2022_ContinuousAssessm...	82 %	11/22/22 05:33 AM GMT+8	1,811 Highest: 4067CEM_AUG2022_Continuous...

 Attachment 1 100 % Word Count: 1,798  
4067CEM\_AUG2022\_ContinuousAssessment part 4.docx

Institutional database (5) 100 %

 ① Student paper	 ② My paper	 ③ Student paper
 ④ Student paper	 ⑤ Student paper	

Top sources (3)

 ① Student paper	 ② My paper	 ③ Student paper
---	--	---

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

Section A - To be completed by the student Full Name: ② KEVIN GOH WING CHIEN

① CU Student ID Number: 13446927

Semester: 1

Session: August 2022

Lecturer: ① Nadhrah Abdul Hadi (nadhrah.abdulhadi@newinti.edu.my)

Module Code and Title: 4067CEM Software Design

Assignment No. / Title: ① Continuous Assessment % 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 University regulations on plagiarism and cheating and Faculty coursework policies and procedures. I/we confirm that this piece of work is my/our own. I/we consent to appropriate storage of our work for plagiarism checking.

Signature(s): KEVIN

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. (1) 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.

Marking scheme Max Mark

1. (1) User Story Mapping 2. Setting up a GitHub Repository 3. Creating a Class diagram and design pattern selection
4. (1) Creating a Prototype User Interface and Usability Testing 5. Discuss the ethical issue 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. The assessment output are only judged at the end of the module and not by the expectations during that week. The assessment should be undertaken individually. All 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 semester and there will be a final submission at the end of the semester. These activities consists of activities that will be done in a software design phase.

System

- (1) College Buddy System for Students.

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. 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. 18 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. 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 testing for in the Usability Testing. Output – A Prototype and Usability Testing Questions. In Word format, uploaded to GitHub.

- (3) Prototype User Interface for socializing function

- (4) Figure 4.1

Brief explanation: The user interface above refers to the socializing function of the college buddy system. Users would mainly view and react to stories in their home-page as well as having some groups of their interest recommended to them based on their area of interest and preferences.

Prototype User Interface for mentor and buddy seeking function

- (5) Figure 4.2

Brief explanation: The user interface above refers to the buddy and mentor seeking function of the college buddy system. Users would get recommendations of buddy based on their mutual interest as well as other similarities. Users could also request for mentorship from more senior students as well as lecturers to aid them in their studies or college life.

Prerequisite: Creating a profile with the correct personal information for the tester

Usability testing for buddy and mentorship finding module

- 1) Do you have any trouble in navigating through all the buddy recommendations? 2) Do you have any trouble in finding potential buddies with your keyword in the search bar? 3) How effective do you think the algorithm is doing for the buddy recommendation? 4) How effective do you think the algorithm is doing for the search of your keyword? 5) Is the whole flow of finding a buddy or mentor process intuitive or was it excruciating? 6) Would you like other options in filtering potential buddies other than the existing ones (age, course, area of interest)? 7) Do you have all the relevant information you need from a potential buddy? 8) What other information do you think is necessary in selecting a potential mentor? 9) Are the materials on the buddy and mentorship finding page too crowded, too little or was it just nice? 10)

What did you like the least in the whole buddy and mentorship finding experience?

Usability testing for academic help module

1) Do you have any trouble in looking for a specific subject in academic? 2) Do you have any trouble in posting a question? 3) Are you able to find similar problems that you were posting that have already been solved in the forum? 4) Do you have any difficulties in commenting on a post that you think you are able to solve? 5) Are the questions recommended to you relevant to what you are current studying? 6) Do you have any trouble uploading image onto the forum? 7) Do you have any trouble in finding the notification for the questions you have asked or answered? 8) Is it intuitive to find the questions you have asked in the academic help page? 9) On a scale of 1 to 10, how often do you think you will use this feature? 10) What did you like the least in the whole academic help experience?

**①** 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

**①** 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).

**①** Setting up a

GitHub

**①** 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

**①** 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

**①** related to the

software (20 marks) There is no discussion on the ethical issue or only the theories are pasted back for this component.

**①** 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 (46)

 Student paper		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	
 Student paper		100%
Student paper  Section A - To be completed by the student Full Name:	Original source  Section A - To be completed by the student Full Name	
 My paper		100%
Student paper  KEVIN GOH WING CHIEN	Original source  KEVIN GOH WING CHIEN	
 Student paper		100%
Student paper  CU Student ID Number:	Original source  CU Student ID Number	
 Student paper		100%
Student paper  Nadrah Abdul Hadi (nadrah.abdulhadi@newinti.edu.my) Module Code and Title: 4067CEM Software Design	Original source  Nadrah Abdul Hadi (nadrah.abdulhadi@newinti.edu.my) Module Code and Title 4067CEM Software Design	
 Student paper		100%
Student paper  Continuous Assessment % of Module Mark:	Original source  Continuous Assessment % of Module Mark	
 Student paper		100%
Student paper  Hand out Date: 6th September 2022 Due Date:	Original source  Hand out Date 6th September 2022 Due Date	
 Student paper		100%
Student paper  30 September 2022, by 11.59pm.	Original source  30 September 2022, by 11.59pm	
 Student paper		100%
Student paper  18 November 2022, by 11.59pm	Original source  18 November 2022, by 11.59pm	

 Student paper		100%
Student paper 4 November 2022, by 11.59pm.	Original source 4 November 2022, by 11.59pm	

 Student paper		100%
Student paper 4 November 2022, by 11.59pm.	Original source 4 November 2022, by 11.59pm	

 Student paper		100%
Student paper 4 November 2022, by 11.59pm.	Original source 4 November 2022, by 11.59pm	

 Student paper		100%
Student paper  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.	Original source  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	

 Student paper		100%
Student paper  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. I/we confirm that this piece of work is my/our own. I/we consent to appropriate storage of our work for plagiarism checking.	Original source  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 I/we confirm that this piece of work is my/our own I/we consent to appropriate storage of our work for plagiarism checking	

 Student paper		100%
Student paper  Section B - To be completed by the module leader Intended learning outcomes assessed by this work:	Original source  Section B - To be completed by the module leader Intended learning outcomes assessed by this work	

 Student paper		100%
Student paper  Understand and apply appropriate concepts, tools and techniques to each stage of the software development	Original source  Understand and apply appropriate concepts, tools and techniques to each stage of the software development	

 Student paper		100%
Student paper  Understand and apply design patterns to software components in developing new software	Original source  Understand and apply design patterns to software components in developing new software	

 Student paper		100%
Student paper  Demonstrate an understanding of project planning and working to agreed deadlines, along with professional, interpersonal skills and effective communication required for software production	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	

 Student paper	Original source	100%
Student paper  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. Marking scheme Max Mark	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 Marking scheme Max Mark	
 Student paper	Original source	100%
Student paper  User Story Mapping 2. Setting up a GitHub Repository 3. Creating a Class diagram and design pattern selection	User Story Mapping 2 Setting up a GitHub Repository 3 Creating a Class diagram and design pattern selection	
 Student paper	Original source	100%
Student paper  Creating a Prototype User Interface and Usability Testing 5. Discuss the ethical issue related to the software 20	Creating a Prototype User Interface and Usability Testing 5 Discuss the ethical issue related to the software 20	
 Student paper	Original source	100%
Student paper  The 4067CEM assessment should be completed as a full individual work over the course of the module. The assessment output are only judged at the end of the module and not by the expectations during that week. The assessment should be undertaken individually. All submissions will be checked against each other and the internet for possible plagiarism.	The 4067CEM assessment should be completed as a full individual work over the course of the module The assessment output are only judged at the end of the module and not by the expectations during that week The assessment should be undertaken individually All submissions will be checked against each other and the internet for possible plagiarism	
 Student paper	Original source	100%
Student paper  Activities – These activities consists of 50% of your coursework marks. It will be run throughout the semester and there will be a final submission at the end of the semester. These activities consists of activities that will be done in a software design phase.	Activities – These activities consists of 50% of your coursework marks It will be run throughout the semester and there will be a final submission at the end of the semester These activities consists of activities that will be done in a software design phase	
 Student paper	Original source	100%
Student paper  College Buddy System for Students. 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.	College Buddy System for Students 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	
 Student paper	Original source	100%
Student paper  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.	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	

 Student paper	100%
<p>Student paper</p> <p>Due – Week 6 of the semester. 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.</p>	<p>Original source</p> <p>Due – Week 6 of the semester 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</p>

 Student paper	100%
<p>Student paper</p> <p>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. 18 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.</p>	<p>Original source</p> <p>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 18 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</p>

 Student paper	100%
<p>Student paper</p> <p>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 testing for in the Usability Testing. Output – A Prototype and Usability Testing Questions.</p>	<p>Original source</p> <p>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 testing for in the Usability Testing Output – A Prototype and Usability Testing Questions</p>

 Student paper	100%
<p>Student paper</p> <p>In Word format, uploaded to GitHub.</p>	<p>Original source</p> <p>In Word format, uploaded to GitHub</p>

 Student paper	68%
<p>Student paper</p> <p>Prototype User Interface for socializing function</p>	<p>Original source</p> <p>Prototype User Interface and</p>

 Student paper	76%
<p>Student paper</p> <p>Figure 4.1</p>	<p>Original source</p> <p>Figure 1.4 – Help Page</p>

 Student paper	71%
<p>Student paper</p> <p>Figure 4.2</p>	<p>Original source</p> <p>4.2 People</p>

 Student paper	100%
<p>Student paper</p> <p>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</p>	<p>Original source</p> <p>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</p>

 Student paper		100%
Student paper  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.	Original source  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	

 Student paper		100%
Student paper  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	Original source  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	

 Student paper		100%
Student paper  user story mapping is excellent and uses software that can assist that process (For example Miro compared to Ms	Original source  user story mapping is excellent and uses software that can assist that process (For example Miro compared to Ms	

 Student paper		100%
Student paper  Setting up a	Original source  Setting up a	

 Student paper		100%
Student paper  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.	Original source  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	

 Student paper		100%
Student paper  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.	Original source  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	

 Student paper		100%
Student paper  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.	Original source  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	

 Student paper		100%
Student paper  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.	Original source  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	

 Student paper		100%
Student paper  The Class diagram and design pattern represent the required solution in an excellent way. All required classes are declared.	Original source  The Class diagram and design pattern represent the required solution in an excellent way All required classes are declared	

 Student paper		100%
Student paper  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.	Original source  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	

 Student paper		100%
Student paper  The prototype cover excellent design and all measurements for the usability testing are clear.	Original source  The prototype cover excellent design and all measurements for the usability testing are clear	

 Student paper		100%
Student paper  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	Original source  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	

 Student paper		100%
Student paper  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.	Original source  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	

Attachment 2 63 %Word Count: 1,823  
4067CEM\_AUG2022\_ContinuousAssessment part 4.pdf

## Institutional database (6)

63 %

(1) Student paper  
(2) Student paper(3) Student paper  
(4) Student paper(7) Student paper  
(8) Student paper

## Internet (2)

0 %

(5) dokumen  
(6) assignmentessays

## Top sources (3)

(1) Student paper  
(3) Student paper  
(7) Student paper

## 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

Section A - To be completed by the student

Full Name:

KEVIN GOH WING CHIEN

(1) CU Student ID Number:

13446927

Semester:

1

Session:

August 2022

Lecturer:

(2) Nadhrah Abdul Hadi (nadhrah.abdulhadi@newinti.edu.my) Module Code and Title:

(1) 4067CEM Software Design

Assignment No. / Title:

(3) Continuous Assessment % of Module Mark:

50

(1) Hand out Date:

6thSeptember 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 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 storage of our work for plagiarism checking.

Signature(s): KEVIN

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. ① 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.

Marking scheme Max Mark

1. ① User Story Mapping
2. ① Setting up a GitHub Repository
3. ① Creating a Class diagram and design pattern selection
4. ① Creating a Prototype User

Interface and Usability Testing

5. ① Discuss the ethical issue 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. 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

semester and there will be a final submission at the end of the semester. These activities consists of activities that will be done in a software design phase.

System

- ① College Buddy System for Students.

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. ① 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.

- ① Due – Week 6 of the semester. 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.

- ① 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. 18 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. Come up with a usability testing questions. ③ You don't have to carry out the test, just prepare the questions. ④ You should indicate what you are testing for in the Usability Testing.

- ① Output – A Prototype and Usability Testing Questions. In Word format, uploaded to GitHub.

Prototype User Interface for socializing function

- ⑤ Figure 4.1

Brief explanation: The user interface above refers to the socializing function of the college buddy system. Users would mainly view and react to stories in their homepage as well as having some groups of their interest recommended to them based on their area of interest and preferences.

Prototype User Interface for mentor and buddy seeking function

- ⑥ Figure 4.2

Brief explanation: The user interface above refers to the buddy and mentor seeking function of the college buddy system. Users would get recommendations of buddy based on their mutual interest as well as other similarities. Users could also request for mentorship from

more senior students as well as lecturers to aid them in their studies or college life.

Prerequisite: Creating a profile with the correct personal information for the tester

Usability testing for buddy and mentorship finding module

- 1) Do you have any trouble in navigating through all the buddy recommendations?
- 2) Do you have any trouble in finding potential buddies with your keyword in the search bar?
- 3) How effective do you think the algorithm is doing for the buddy recommendation?

- 4) How effective do you think the algorithm is doing for the search of your keyword?
- 5) Is the whole flow of finding a buddy or mentor process intuitive or was it excruciating?
- 6) Would you like other options in filtering potential buddies other than the existing ones (age, course, area of interest)?
- 7) Do you have all the relevant information you need from a potential buddy?
- 8) What other information do you think is necessary in selecting a potential mentor?
- 9) Are the materials on the buddy and mentorship finding page too crowded, too little or was it just nice?
- 10) What did you like the least in the whole buddy and mentorship finding experience?

Usability testing for academic help module

- 1) Do you have any trouble in looking for a specific subject in academic?
- 2) Do you have any trouble in posting a question?
- 3) Are you able to find similar problems that you were posting that have already been solved in the forum?
- 4) Do you have any difficulties in commenting on a post that you think you are able to solve?
- 5) Are the questions recommended to you relevant to what you are current studying?
- 6) Do you have any trouble uploading image onto the forum?
- 7) Do you have any trouble in finding the notification for the questions you have asked or answered?
- 8) Is it intuitive to find the questions you have asked in the academic help page?
- 9) On a scale of 1 to 10, how often do you think you will use this feature?
- 10) What did you like the least in the whole academic help experience?

① Marking Rubric for Continuous Assessment

Marks Below 40% Marks in the range

40 - 49%

① Marks in the range

50 - 59%

① Marks in the range

60 - 69%

① Marks 70% and

above

User Story

① Mapping (20 marks)

User Story Mapping

not done or User

Story copied/does

not match the exact

system.

① User Story Mapping

done at a minimum

level and does not

capture the

important activities of

the system.

① User Story Mapping

done and does

capture several

important activities of

the system. The

③ breakdown of the

① user story mapping

can be improved.

① User Story Mapping

done and does

capture several

important activities of

the system. The

③ breakdown of the user

story mapping is good

and uses software that

can assist that

process (For example

③ Miro compared to Ms

Word).

① User Story Mapping

done and does

capture most

important activities of

the system. The

③ breakdown of the

① user story mapping

is excellent and uses

software that can

③ assist that process (For example Miro

compared to Ms

Word).

① Setting up a

GitHub

① 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)

① 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.

① 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.

① The Class diagram

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

① The Class diagram

and design pattern  
represent the required  
solution in a  
satisfactory way. Most

① required classes are  
declared.

① The Class diagram

and design pattern  
represent the  
required solution in  
an excellent way. All

① required classes are  
declared.

Creating a  
Prototype User  
Interface and  
Usability

① Testing (20 marks)

No prototype were  
available or the

measurement for the

⑦ usability testing is

not clear.

The prototype cover

minimalist and trivial

design (such as

login) and the

measurements for

⑦ the usability testing

are not clear.

The prototype cover

adequate design and

several

measurements for

⑦ the usability testing

are not clear.

The prototype cover

good design and most

measurements for the

⑧ usability testing are

clear.

The prototype cover

excellent design and

all measurements for

⑦ the usability testing

are clear.

Discuss the

ethical issue

① 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  
① analysis was done

There is an attempt  
to discuss on the  
① ethical issue with  
some critical  
① analysis was done  
There is an attempt to  
① discuss on the ethical  
issue with good critical  
analysis.

There is an attempt  
to discuss on the  
① ethical issue with  
excellent critical  
analysis.

System Task 1 – User Story Mapping (20 marks) Task 2 – Setting up a GitHub Repository (10 marks) Task 4 – Creating a Prototype User Interface and U

#### Source Matches (78)

1	Student paper	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

1	Student paper	100%
	Student paper  Section A - To be completed by the student	Original source  Section A - To be completed by the student

1	Student paper	100%
	Student paper  CU Student ID Number:	Original source  CU Student ID Number

2	Student paper	100%
	Student paper  Nadhrah Abdul Hadi (nadhrah.abdulhadi@newinti.edu.my) Module Code and Title:	Original source  Nadhrah Abdul Hadi (nadhrah.abdulhadi@newinti.edu.my) Module Code and Title

 Student paper		100%
Student paper 4067CEM Software Design	Original source 4067CEM Software Design	
 Student paper		100%
Student paper Continuous Assessment % of Module Mark:	Original source Continuous Assessment % of Module Mark	
 Student paper		100%
Student paper Hand out Date:	Original source Hand out Date	
 Student paper		100%
Student paper 30 September 2022, by 11.59pm.	Original source 30 September 2022, by 11.59pm	
 Student paper		100%
Student paper 18 November 2022, by 11.59pm	Original source 18 November 2022, by 11.59pm	
 Student paper		100%
Student paper 4 November 2022, by 11.59pm.	Original source 4 November 2022, by 11.59pm	
 Student paper		100%
Student paper 4 November 2022, by 11.59pm.	Original source 4 November 2022, by 11.59pm	
 Student paper		100%
Student paper 4 November 2022, by 11.59pm.	Original source 4 November 2022, by 11.59pm	
 Student paper		94%
Student paper 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	Original source 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	
 Student paper		100%
Student paper 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	Original source 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	

 Student paper		100%
Student paper  I/we confirm that this piece of work is my/our own. I/we consent to appropriate storage of our work for plagiarism checking.	Original source  I/we confirm that this piece of work is my/our own I/we consent to appropriate storage of our work for plagiarism checking	

 Student paper		100%
Student paper  Section B - To be completed by the module leader Intended learning outcomes assessed by this work:	Original source  Section B - To be completed by the module leader Intended learning outcomes assessed by this work	

 Student paper		100%
Student paper  Understand and apply appropriate concepts, tools and techniques to each stage of the	Original source  Understand and apply appropriate concepts, tools and techniques to each stage of the	

 Student paper		100%
Student paper  Understand and apply design patterns to software components in developing new software	Original source  Understand and apply design patterns to software components in developing new software	

 Student paper		100%
Student paper  Demonstrate an understanding of project planning and working to agreed deadlines, along with professional, interpersonal skills and effective communication required for software	Original source  Demonstrate an understanding of project planning and working to agreed deadlines, along with professional, interpersonal skills and effective communication required for software	

 Student paper		100%
Student paper  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. Marking scheme Max Mark	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 Marking scheme Max Mark	

 Student paper		100%
Student paper  User Story Mapping	Original source  User Story Mapping	

 Student paper		100%
Student paper  Setting up a GitHub	Original source  Setting up a GitHub	

 Student paper		100%
Student paper  Creating a Class diagram and design pattern selection	Original source  Creating a Class diagram and design pattern selection	

 Student paper		100%
Student paper Creating a Prototype User Interface and Usability Testing	Original source Creating a Prototype User Interface and Usability Testing	

 Student paper		100%
Student paper Discuss the ethical issue related to the software	Original source Discuss the ethical issue related to the software	

 Student paper		100%
Student paper The 4067CEM assessment should be completed as a full individual work over the course of	Original source The 4067CEM assessment should be completed as a full individual work over the course of	

 Student paper		100%
Student paper The assessment output are only judged at the end of the module and not by the expectations during that week. The assessment should be undertaken individually.	Original source The assessment output are only judged at the end of the module and not by the expectations during that week The assessment should be undertaken individually	

 Student paper		100%
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. It will be run throughout the semester and there will be a final submission at the end of the semester.	Original source 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 semester and there will be a final submission at the end of the semester	

 Student paper		100%
Student paper These activities consists 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	

 Student paper		100%
Student paper College Buddy System for Students. 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	Original source College Buddy System for Students 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	

 Student paper		96%
Student paper can be your friends as the system is related to them. Get at least 10 real users to get their feedback	Original source can be your friends as the system is related to them Get at least 10 real users to get their feedback	

 Student paper		100%
Student paper 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	Original source 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	

 Student paper		100%
Student paper  Due – Week 6 of the semester. 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	Original source  Due – Week 6 of the semester 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	

 Student paper		97%
Student paper  repository and your files are uploaded here and it is in an organized manner and can be easily	Original source  repository and your files are uploaded here and it is in an organized manner and can be easily found	

 Student paper		93%
Student paper  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.	Original source  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	

 Student paper		92%
Student paper  18 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. Come up with a usability	Original source  18 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 Come up with a usability testing questions	

 Student paper		100%
Student paper  You don't have to carry out the test, just prepare the questions.	Original source  You don't have to carry out the test, just prepare the questions	

 Student paper		91%
Student paper  You should indicate what you are testing for in the	Original source  You should indicate what you are testing for in the Usability	

 Student paper		89%
Student paper  Output – A Prototype and Usability Testing Questions. In Word format, uploaded to GitHub. Prototype User Interface for socializing function	Original source  Output – A Prototype and Usability Testing Questions In Word format, uploaded to GitHub Prototype User Interface and	

 dokumen		82%
Student paper  Figure 4.1	Original source  Class 1 is Figure 4	

 assignmentessays		66%
Student paper  Figure 4.2	Original source  4 marks 2	

 Student paper		100%
Student paper Marking Rubric for Continuous Assessment Marks Below 40% Marks in the range	Original source Marking Rubric for Continuous Assessment Marks Below 40% Marks in the range	

 Student paper		100%
Student paper Marks in the range	Original source Marks in the range	

 Student paper		100%
Student paper Marks in the range	Original source Marks in the range	

 Student paper		100%
Student paper Marks 70% and	Original source Marks 70% and	

 Student paper		100%
Student paper Mapping (20 marks) User Story Mapping	Original source Mapping (20 marks) User Story Mapping	

 Student paper		100%
Student paper User Story Mapping	Original source User Story Mapping	

 Student paper		100%
Student paper User Story Mapping	Original source User Story Mapping	

 Student paper		100%
Student paper breakdown of the	Original source The breakdown of the	

 Student paper		100%
Student paper user story mapping	Original source User Story Mapping	

 Student paper		100%
Student paper User Story Mapping	Original source User Story Mapping	

 Student paper		69%
Student paper breakdown of the user	Original source The breakdown of the	
 Student paper		77%
Student paper Miro compared to Ms	Original source compared to Ms	
 Student paper		100%
Student paper User Story Mapping	Original source User Story Mapping	
 Student paper		100%
Student paper breakdown of the	Original source The breakdown of the	
 Student paper		100%
Student paper user story mapping	Original source User Story Mapping	
 Student paper		91%
Student paper assist that process (For example Miro compared to Ms	Original source software that can assist that process (For example Miro compared to Ms	
 Student paper		100%
Student paper Setting up a	Original source Setting up a	
 Student paper		100%
Student paper Repository (10 marks)	Original source Repository (10 marks)	
 Student paper		70%
Student paper The Class diagram	Original source Creating a Class diagram and	
 Student paper		71%
Student paper The Class diagram and design pattern	Original source Creating a Class diagram and design pattern selection	

 Student paper		71%
Student paper The Class diagram and design pattern	Original source Creating a Class diagram and design pattern selection	
 Student paper		71%
Student paper The Class diagram and design pattern	Original source Creating a Class diagram and design pattern selection	
 Student paper		72%
Student paper required classes are	Original source All required classes are declared	
 Student paper		71%
Student paper The Class diagram and design pattern	Original source Creating a Class diagram and design pattern selection	
 Student paper		72%
Student paper required classes are	Original source All required classes are declared	
 Student paper		65%
Student paper Testing (20 marks)	Original source Mapping (20 marks)	
 Student paper		73%
Student paper usability testing is	Original source Usability Testing Questions	
 Student paper		79%
Student paper the usability testing	Original source Usability Testing Questions	
 Student paper		79%
Student paper the usability testing	Original source Usability Testing Questions	
 Student paper		72%
Student paper usability testing are	Original source The following are the Usability Testing Questions	

 Student paper		79%
Student paper the usability testing	Original source Usability Testing Questions	
 Student paper		83%
Student paper related to the software (20 marks)	Original source related to the Mapping (20 marks)	
 Student paper		100%
Student paper analysis was done	Original source analysis was done	
 Student paper		67%
Student paper ethical issue with	Original source Discuss the ethical issue	
 Student paper		100%
Student paper analysis was done	Original source analysis was done	
 Student paper		69%
Student paper discuss on the ethical	Original source Discuss the ethical issue	
 Student paper		67%
Student paper ethical issue with	Original source Discuss the ethical issue	