

SafeAssign Originality Report

SOFTWARE DESIGN • Creating a Class diagram and design pattern selection (30%)

KEVIN GOH WING CHIEN -

Total Score:  High risk 100 %

Submission UUID: 1d770a90-62f7-d977-fa37-7934a2732479

Total Number of Reports	Highest Match	Average Match	Submitted on	Average Word Count
2	100 % 4067CEM_AUG2022_ContinuousAssessm...	100 %	11/24/22 12:15 AM GMT+8	1,424 Highest: 4067CEM_AUG2022_Continuous...

 Attachment 1 100 % Word Count: 1,417
4067CEM_AUG2022_ContinuousAssessment Task 3.docx

Institutional database (4) 100 %

 Student paper	 Student paper	 My paper
 Student paper		

Top sources (3)

 Student paper	 Student paper	 My paper
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Excluded sources (0)

 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

 CU Student ID Number: 13446927

Semester: 1

Session: August 2022

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

Module Code and Title: 4067CEM Software Design

Assignment No. / Title:  Continuous Assessment % of Module Mark: 50

 Hand out Date:  6th September 2022 Due Date: Task 1:  30 September 2022, by 11.59pm. Task 2:  18 November 2022, by 11.59pm

Task 3:  4 November 2022, by 11.59pm. Task 4:  4 November 2022, by 11.59pm. Task 5:  4 November 2022, by 11.59pm.

Penalties:  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:  I/we the undersigned confirm that I/we have read and agree to abide by the University regulations on plagiarism and cheating and Faculty course-work 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

 Section B - To be completed by the module leader Intended learning outcomes assessed by this work: 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. (2) Demonstrate an understanding of project planning and working to agreed deadlines, along with professional, interpersonal skills and effective communication required for software production
5. (2) 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) Marking scheme Max Mark

1. (2) User Story Mapping 2. Setting up a GitHub Repository 3. Creating a Class diagram and design pattern selection
4. (2) Creating a Prototype User Interface and Usability Testing 5. Discuss the ethical issue related to the software 20

10

30

20

20

Total 100

(2) 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. (1) The assessment should be undertaken individually. (2) All submissions will be checked against each other and the internet for possible plagiarism.

(1) Activities – These activities consists of 50% of your coursework marks. (2) 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.

(2) Task 3 – Creating a Class diagram and design pattern selection (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. (1) 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. 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. (2) Draw the UML diagram representing your class diagram as a design pattern UML. Include all the abstract class/interface, concrete class and inheritance (if any) used to represent the problem. (1) Output – UML diagram representing the design pattern. In Word format, uploaded to GitHub. Due – Week 11 of the semester. 4 November 2022, by 11.59pm.

(4) College Buddy System Class Diagram

Issue: The College Buddy System is created mainly for INTI College Penang students to forge a network with other students within the campus. However, this may not always be the case. There might be a possibility to include other entities such as students from other college or even lecturers from other universities. If other entities were to be incorporated into system, large changes will have to be made. It would be a hassle to modify the code every time when an entity has to be added. (1) Design pattern selection: Hence the design pattern that was selected to resolve this issue is the Factory Method. This method recommends to replace the direct object construction calls with calls

to special factory method. Submission

(2) All tasks needed to be documented in Word format and submitted for SafeAssign checking (Links will be provided before the due date). (1) 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

(2) 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

(2) 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. 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 ac-

tivities of the system. ② 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.

② 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. 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. 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

② Usability Testing (20 marks) No prototype were available or the measurement for the usability testing is not clear. ① 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

② 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

② 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. ① There is an attempt to discuss on the ethical issue with excellent critical analysis.

Source Matches (61)

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	

② 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 Nadhrah Abdul Hadi (nadhrah.abdulhadi@newinti.edu.my) Module Code and Title: 4067CEM Software Design	Original source Nadhrah Abdul Hadi (nadhrah.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:	Original source Hand out Date	
 Student paper		100%
Student paper 6th September 2022 Due Date:	Original source 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.	Original source No late work will be accepted	

 Student paper		100%
Student paper If you are unable to submit coursework on time due to extenuating circumstances, you may be eligible for an extension.	Original source If you are unable to submit coursework on time due to extenuating circumstances, you may be eligible for an extension	

 Student paper		100%
Student paper Please consult the lecturer.	Original source 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.	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	

 Student paper		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	

 Student paper		100%
Student paper I/we consent to appropriate storage of our work for plagiarism checking.	Original source 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	

1	<i>Student paper</i>	100%
Student paper	Original source	
Understand and apply design patterns to software components in developing new software	Understand and apply design patterns to software components in developing new software	
2	<i>Student paper</i>	100%
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	
2	<i>Student paper</i>	100%
Student paper	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.	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	Original source	
Marking scheme Max Mark	Marking scheme Max Mark	
2	<i>Student paper</i>	100%
Student paper	Original source	
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	
2	<i>Student paper</i>	100%
Student paper	Original source	
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	
2	<i>Student paper</i>	100%
Student paper	Original source	
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 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	
1	<i>Student paper</i>	100%
Student paper	Original source	
The assessment should be undertaken individually.	The assessment should be undertaken individually	
2	<i>Student paper</i>	100%
Student paper	Original source	
All submissions will be checked against each other and the internet for possible plagiarism.	All submissions will be checked against each other and the internet for possible plagiarism	

1	<i>Student paper</i>	100%
Student paper	Original source	
Activities – These activities consists of 50% of your coursework marks.	Activities – These activities consists of 50% of your coursework marks	
2	<i>Student paper</i>	100%
Student paper	Original source	
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.	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	
1	<i>Student paper</i>	100%
Student paper	Original source	
College Buddy System for Students.	College Buddy System for Students	
2	<i>Student paper</i>	100%
Student paper	Original source	
Task 3 – Creating a Class diagram and design pattern selection (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.	Task 3 – Creating a Class diagram and design pattern selection (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	
1	<i>Student paper</i>	100%
Student paper	Original source	
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.	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	
1	<i>Student paper</i>	100%
Student paper	Original source	
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.	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	
2	<i>Student paper</i>	100%
Student paper	Original source	
Draw the UML diagram representing your class diagram as a design pattern UML. Include all the abstract class/interface, concrete class and inheritance (if any) used to represent the problem.	Draw the UML diagram representing your class diagram as a design pattern UML Include all the abstract class/interface, concrete class and inheritance (if any) used to represent the problem	
1	<i>Student paper</i>	100%
Student paper	Original source	
Output – UML diagram representing the design pattern. In Word format, uploaded to GitHub. Due – Week 11 of the semester. 4 November 2022, by 11.59pm.	Output – UML diagram representing the design pattern In Word format, uploaded to GitHub Due – Week 11 of the semester 4 November 2022, by 11.59pm	

 Student paper		69%
Student paper College Buddy System Class Diagram	Original source Class diagram of the system	
 Student paper		100%
Student paper Design pattern selection:	Original source design pattern selection	
 Student paper		100%
Student paper All tasks needed to be documented in Word format and submitted for SafeAssign checking (Links will be provided before the due date).	Original source All tasks needed to be documented in Word format and submitted for SafeAssign checking (Links will be provided before the due date)	
 Student paper		100%
Student paper 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	Original source 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	
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Student paper 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	Original source 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	
 Student paper		100%
Student paper Mapping (20 marks) User Story Mapping not done or User Story copied/does not match the exact system.	Original source Mapping (20 marks) User Story Mapping not done or User Story copied/does not match the exact system	
 Student paper		100%
Student paper 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.	Original source 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	
 Student paper		100%
Student paper 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.	Original source 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	

 Student paper		100%
Student paper The breakdown of the user story mapping is excellent and uses software that can assist that process (For example Miro compared to Ms	Original source The breakdown of the 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.	Original source The dates on the files follows the required deadline	
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Student paper 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.	Original source 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	
 Student paper		100%
Student paper 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.	Original source 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	
 Student paper		100%
Student paper 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.	Original source 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	

 Student paper		100%
Student paper Usability Testing (20 marks) No prototype were available or the measurement for the usability testing is not clear.	Original source Usability Testing (20 marks) No prototype were available or the measurement for the usability testing is not clear	
 Student paper		100%
Student paper 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.	Original source 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	
 Student paper		100%
Student paper related to the	Original source related to the	
 Student paper		100%
Student paper software (20 marks) There is no discussion on the ethical issue or only the theories are pasted back for this component.	Original source software (20 marks) There is no discussion on the ethical issue or only the theories are pasted back for this component	
 Student paper		100%
Student paper There is an attempt to discuss on the ethical issue but no critical	Original source There is an attempt to discuss on the ethical issue but no critical	
 Student paper		100%
Student paper 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.	Original source 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	
 Student paper		100%
Student paper There is an attempt to discuss on the ethical issue with excellent critical analysis.	Original source There is an attempt to discuss on the ethical issue with excellent critical analysis	

Attachment 2 100 %

Word Count: 1,431
4067CEM_AUG2022_ContinuousAssessment Task 3.pdf

Institutional database (5)

100 %

 Student paper
 Student paper My paper
 Student paper

Student paper

Internet (1)

0 %

epdf

Top sources (3)

Student paper

My paper

Student paper

Excluded sources (0)

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

CU Student ID Number:

13446927

Semester:

1

Session:

August 2022

Lecturer:

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

4067CEM Software Design

Assignment No. / Title:

Continuous Assessment % of Module Mark:

50

Hand out Date:

6thSeptember 2022

Due Date:

Task 1: 30 September 2022, by 11.59pm. Task 2: 18 November 2022, by 11.59pm

Task 3: 4 November 2022, by 11.59pm. Task 4: 4 November 2022, by 11.59pm. Task 5: 4 November 2022, by 11.59pm.

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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
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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

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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 3 – Creating a Class diagram and design pattern selection (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. ① You can use software like StarUML to complete this activity.

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

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

class diagram as a design pattern UML. Include all the abstract class/interface, concrete class and inheritance (if any) used to represent the problem.

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

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

④ College Buddy System Class Diagram

Issue: The College Buddy System is created mainly for INTI College Penang students to forge a network with other students within the campus. ⑤ However, this may not always be the case. There might be a possibility to include other entities such as students from other college or even lecturers from other universities. If other entities were to be incorporated into system, large changes will have to be made. It would be a hassle to modify the code every time when an entity has to be added.

① Design pattern selection: Hence the design pattern that was selected to resolve this issue is the Factory Method. This method recommends to replace the direct object construction calls with calls to special factory method. Submission

① All tasks needed to be documented in Word format and submitted for SafeAssign checking (Links will be provided before the due date).

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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

② not done or User

Story copied/does

not match the exact

system.

① User Story Mapping

② done at a minimum

level and does not

capture the

② important activities of

the system.

① User Story Mapping

② done and does

capture several

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the system. The

③ breakdown of the

① user story mapping

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② breakdown of the user

story mapping is good

and uses software that

can assist that

process (For example

Miro compared to Ms

Word).

① User Story Mapping

② done and does

capture most

② important activities of

the system. The

③ breakdown of the

(1) user story mapping

(2) is excellent and uses

software that can

assist that process (For example Miro

(3) compared to Ms

Word).

(1) Setting up a

GitHub

(1) Repository (10 marks)

GitHub repository

(2) does not exist or

cannot be accessed

or the required files

are not available at

the time of access.

GitHub repository

(2) exist and some of

the required files are

not available at the

time of access.

GitHub repository

(2) exist and most of the

required files are

available at the time

of access. However

(2) the dates does not

follow the required

deadline.

(2) 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

(2) exist and all of the

required files are

available at the time

of access. The dates

(2) on the files follows

the required

deadline.

Creating a

Class diagram

and design

pattern

(2) selection (30 marks)

The Class diagram

does not represent

the required solution (contains generic or

non-related classes

such as admin), the

design pattern

(2) suggested is not

suitable for the given

problem.

(2) The Class diagram

and design pattern

represent the

(2) required solution but

in a very general and

incomplete way. (2) Required classes in

the design are not

declared.

(2) The Class diagram

and design pattern

represent the

(2) required solution in a

partial way. A few

(2) required classes in

the design are not

declared.

(2) The Class diagram

and design pattern

represent the required

solution in a

satisfactory way. Most

(2) required classes are

declared.

(2) The Class diagram

and design pattern

represent the

(2) required solution in

an excellent way. All

(2) required classes are

declared.

Creating a

Prototype User

Interface and

Usability

(2) Testing (20 marks)

No prototype were

available or the

measurement for the

usability testing is

not clear.

(2) The prototype cover

minimalist and trivial

design (such as

login) and the

measurements for

(2) the usability testing

are not clear.

The prototype cover

adequate design and

several

measurements for

(2) the usability testing

are not clear.

The prototype cover

good design and most

measurements for the

usability testing are

clear.

(2) The prototype cover

excellent design and

all measurements for

the usability testing

are clear.

Discuss the

ethical issue

① related to the

② software (20 marks)

There is no

discussion on the

ethical issue or only

the theories are

pasted back for this

component.

② There is an attempt

to discuss on the

ethical issue but no

critical

① analysis was done

② There is an attempt

to discuss on the

ethical issue with

some critical

① analysis was done

② There is an attempt to

discuss on the ethical

issue with good critical

analysis.

② There is an attempt

to discuss on the

ethical issue with

excellent critical

analysis.

⑥ System Task 3 - Creating a Class diagram and design patte to special factory method. Submission

Source Matches (108)

 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	Original source Section A - To be completed by the student	

 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		91%
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) 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		95%
Student paper College Buddy System for Students. Task 3 – Creating a Class diagram and design pattern selection (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.	Original source College Buddy System for Students Task 3 – Creating a Class diagram and design pattern selection (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	
 Student paper		95%
Student paper You don't have to declare the attributes and operations for this activity. You do have to explain the class responsibility of each class	Original source 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	
 Student paper		100%
Student paper You can use software like StarUML to complete this activity. Output – A class diagram containing classes and associations. In Word format, uploaded to GitHub. Consider the problem and select a suitable design pattern that can be implemented on the problem.	Original source You can use software like StarUML to complete this activity Output – A class diagram containing classes and associations In Word format, uploaded to GitHub Consider the problem and select a suitable design pattern that can be implemented on the problem	
 Student paper		100%
Student paper Give justification on why the design pattern was chosen. Draw the UML diagram representing your class diagram as a design pattern UML. Include all the abstract class/interface, concrete class and	Original source Give justification on why the design pattern was chosen Draw the UML diagram representing your class diagram as a design pattern UML Include all the abstract class/interface, concrete class and	
 Student paper		100%
Student paper inheritance (if any) used to represent the problem. Output – UML diagram representing the design pattern. In Word format, uploaded to GitHub. Due – Week 11 of the semester.	Original source inheritance (if any) used to represent the problem Output – UML diagram representing the design pattern In Word format, uploaded to GitHub Due – Week 11 of the semester	
 Student paper		100%
Student paper 4 November 2022, by 11.59pm.	Original source 4 November 2022, by 11.59pm	
 Student paper		79%
Student paper College Buddy System Class Diagram	Original source Student Buddy System Class Diagram	

 5 epdf		66%
Student paper However, this may not always be the case.	Original source However, this is not the case	

 1 Student paper		100%
Student paper Design pattern selection:	Original source design pattern selection	

 1 Student paper		100%
Student paper 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.	Original source 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	

 1 Student paper		100%
Student paper 18 November 2022, by 11.59pm Marking Rubric for Continuous Assessment Marks Below 40% Marks in the range	Original source 18 November 2022, by 11.59pm Marking Rubric for Continuous Assessment Marks Below 40% Marks in the range	

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

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

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

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

 2 My paper		100%
Student paper not done or User Story copied/does not match the exact	Original source not done or User Story copied/does not match the exact	

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

2	<i>My paper</i>	100%
Student paper	Original source	
done at a minimum level and does not	done at a minimum level and does not	

2	<i>My paper</i>	100%
Student paper	Original source	
important activities of	important activities of	

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

2	<i>My paper</i>	100%
Student paper	Original source	
done and does	done and does	

2	<i>My paper</i>	100%
Student paper	Original source	
important activities of	important activities of	

3	<i>Student paper</i>	100%
Student paper	Original source	
breakdown of the	The breakdown of the	

1	<i>Student paper</i>	100%
Student paper	Original source	
user story mapping	User Story Mapping	

2	<i>My paper</i>	100%
Student paper	Original source	
can be improved.	can be improved	

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

 My paper	Original source	100%
Student paper done and does	done and does	

 My paper	Original source	100%
Student paper important activities of	important activities of	

 My paper	Original source	100%
Student paper breakdown of the user story mapping is good and uses software that can assist that	breakdown of the user story mapping is good and uses software that can assist that	

 My paper	Original source	100%
Student paper process (For example Miro compared to Ms	process (For example Miro compared to Ms	

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

 My paper	Original source	100%
Student paper done and does	done and does	

 My paper	Original source	100%
Student paper important activities of	important activities of	

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

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

 My paper	Original source	100%
Student paper is excellent and uses software that can assist that process (For example Miro	is excellent and uses software that can assist that process (For example Miro	

 Student paper		100%
Student paper compared to Ms	Original source 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)	
 My paper		100%
Student paper does not exist or cannot be accessed or the required files are not available at	Original source does not exist or cannot be accessed or the required files are not available at	
 My paper		100%
Student paper the time of access.	Original source the time of access	
 My paper		100%
Student paper exist and some of the required files are not available at the time of access.	Original source exist and some of the required files are not available at the time of access	
 My paper		100%
Student paper exist and most of the required files are available at the time	Original source exist and most of the required files are available at the time	
 My paper		100%
Student paper the dates does not follow the required	Original source the dates does not follow the required	
 My paper		100%
Student paper GitHub repository exist and all of the required files are available at the time of access.	Original source GitHub repository exist and all of the required files are available at the time of access	
 My paper		100%
Student paper However the dates for some files does not follow the required	Original source However the dates for some files does not follow the required	

 My paper		100%
Student paper exist and all of the required files are available at the time	Original source exist and all of the the required files are available at the time	
 My paper		100%
Student paper on the files follows	Original source on the files follows	
 My paper		100%
Student paper selection (30 marks) The Class diagram does not represent the required solution (contains generic or	Original source selection (30 marks) The Class diagram does not represent the required solution (contains generic or	
 My paper		100%
Student paper non- related classes such as admin), the	Original source non- related classes such as admin), the	
 My paper		100%
Student paper suggested is not suitable for the given	Original source suggested is not suitable for the given	
 My paper		100%
Student paper The Class diagram and design pattern	Original source The Class diagram and design pattern	
 My paper		100%
Student paper required solution but in a very general and	Original source required solution but in a very general and	
 My paper		100%
Student paper Required classes in the design are not	Original source Required classes in the design are not	
 My paper		100%
Student paper The Class diagram and design pattern	Original source The Class diagram and design pattern	
 My paper		100%
Student paper required solution in a	Original source required solution in a	

 My paper		100%
Student paper required classes in the design are not	Original source Required classes in the design are not	

 My paper		100%
Student paper The Class diagram and design pattern represent the required solution in a	Original source The Class diagram and design pattern represent the required solution in a	

 My paper		100%
Student paper required classes are	Original source required classes are	

 My paper		100%
Student paper The Class diagram and design pattern	Original source The Class diagram and design pattern	

 My paper		100%
Student paper required solution in an excellent way.	Original source required solution in an excellent way	

 My paper		100%
Student paper required classes are	Original source required classes are	

 My paper		100%
Student paper Testing (20 marks) No prototype were available or the measurement for the	Original source Testing (20 marks) No prototype were available or the measurement for the	

 My paper		100%
Student paper usability testing is	Original source usability testing is	

 My paper		100%
Student paper The prototype cover minimalist and trivial design (such as login) and the	Original source The prototype cover minimalist and trivial design (such as login) and the	

 My paper		100%
Student paper the usability testing are not clear. The prototype cover adequate design and	Original source the usability testing are not clear The prototype cover adequate design and	

 My paper		100%
Student paper the usability testing are not clear. The prototype cover good design and most	Original source the usability testing are not clear The prototype cover good design and most	
 My paper		100%
Student paper measurements for the usability testing are	Original source measurements for the usability testing are	
 My paper		100%
Student paper The prototype cover excellent design and all measurements for the usability testing	Original source The prototype cover excellent design and all measurements for the usability testing	
 Student paper		100%
Student paper related to the	Original source related to the	
 My paper		100%
Student paper software (20 marks) There is no discussion on the ethical issue or only	Original source software (20 marks) There is no discussion on the ethical issue or only	
 My paper		100%
Student paper the theories are pasted back for this	Original source the theories are pasted back for this	
 My paper		100%
Student paper There is an attempt to discuss on the ethical issue but no	Original source There is an attempt to discuss on the ethical issue but no	
 Student paper		100%
Student paper analysis was done	Original source analysis was done	
 My paper		100%
Student paper There is an attempt to discuss on the ethical issue with	Original source There is an attempt to discuss on the ethical issue with	
 Student paper		100%
Student paper analysis was done	Original source analysis was done	

2 My paper	Original source	100%
Student paper There is an attempt to discuss on the ethical issue with good critical	Original source There is an attempt to discuss on the ethical issue with good critical	

2 My paper	Original source	100%
Student paper There is an attempt to discuss on the ethical issue with	Original source There is an attempt to discuss on the ethical issue with	

6 Student paper	Original source	65%
Student paper System Task 3 – Creating a Class diagram and design pattern to special factory method.	Original source Task 3 – Creating a Class diagram and design pattern selection	