

SafeAssign Originality Report

SOFTWARE DESIGN • Discuss the ethical issue related to the software (20%)

KEVIN GOH WING CHIEN -

Total Score:  High risk 70 %

Submission UUID: e6e72bc1-676e-5394-5bc8-db13c681826a

Total Number of Reports	Highest Match	Average Match	Submitted on	Average Word Count
2	93 % 4067CEM_AUG2022_ContinuousAssessm...	70 %	11/22/22 05:32 AM GMT+8	1,817 Highest: 4067CEM_AUG2022_Continuous...

 Attachment 1 93 % Word Count: 1,813
4067CEM_AUG2022_ContinuousAssessment Part 5.docx

Institutional database (1) 93 %

 ① Student paper

Top sources (1)

 ① 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:  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 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

 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) Task 5 – Discuss the ethical issue related to the software (20 marks) Discuss and do a critical analysis of your software in this areas, privacy concerns, intellectual property rights and effects on the society. Output – A report in Word format, uploaded to GitHub.

As every convenience brings its own inconvenience along with it, the college buddy system is no exception. INTI students might face a trade-off between having to compromise their privacy and a more immersive experience of the application. There are four main concerns where the software might infringe upon and the students should be made aware of. One of the main concerns of the students should be their privacy. As this software requires several personal information of the students, their information may be disclosed to another party when the software is recommending a buddy based on its algorithms. However the possibility of the misuse of such data has been largely mitigated In Malaysia as the personal data of its citizens are protected by the Personal Data Protection Act 2010 (PDPA). Data users are to comply with the seven personal data principles under PDPA. Chiefly among them are the Disclosure Principle, General Principle and Security Principle. These principles require the data user to obtain the consent of the data subject in order to process the data as well as disclose the subject's data to another party. Data subjects are also urged to take any practical steps in order to safeguard their personal data from any loss and misuse. Failure to comply with the seven principles is punishable by a fine of maximum RM300,000 and/or a maximum of two years of imprisonment. Undoubtedly selling personal data without the consent of data users is unethical and this will build a strong mistrust in the society. As a consequence, pragmatic steps shall be taken to prevent such information leakage and misuse of personal information for all users of the application. Another issue of concern is the security of the users. With the advancement of technology, a steep increase in cyber crime can be observed especially during the pandemic. This particular software is most vulnerable to the crime of identity theft and happens when a person cheats by impersonating as someone else. Lawbreakers would typically gather the information of its victim and pose as the victim for the purpose of fraud or scams. If such issue were to be brushed aside, the software will be a den for fraudsters which will in turn increase the amount of cyber crimes in the society. Section 416 of the Penal Code addresses the crime of identity theft where the assailant may be punished to a maximum of 7 years and/or a fine. Besides that, Section 232 and Section 236 of Communications and Multimedia Act 1998 also prohibits users from the fraudulent use of network facilities and services.

It should be noted that such crime can only be curbed to a certain extent with monitoring and hence users should also be vigilant when using the software. Cyber bullying and online harassment has also been on the rise in recent years. There is an alarming hike of suicide cases in the past 2 years where suicide cases in Malaysia have increased by a staggering 81% in 2021 as compared to 2020. Cyber bullying refers to the use of electronic communications to insult or intimidate a person online. There are two acts in Malaysia that addresses such issue, which are the Section 233 of Communications and Multimedia Act 1998 as well as Section 509 of the Penal Code. The former criminalises online material which are menacing and offensive in character while the latter are more focused in defending the honour and modesty of woman from obscene insults or sexual harassment. The punishments for violating Section 233 of CMA are a fine of RM50,000 and/or maximum of one year jail sentence while the violation of Section 509 of Penal Code will require the offender to serve a maximum of 5 year sentence and/or a hefty fine. On that account, the college buddy system should do its part in preventing cyber bullying from occurring in the software itself as it is detrimental to the society. Last but not least, copyright issue has always been part of the concern. The college buddy system has exercised great caution in not violating the rules. This is due to there are many similar applications in the market, such as Facebook being the more complicated and general in the spectrum of the social networking software while Tinder and The Project being the more niche category. As software is considered as literary work, it is protected under the Copyright Act 1987. Imitating and copying other author's work is illegal and unethical because this will only discourage creative works in the community. The penalty for copyright infringement is a maximum of RM20,000 and/or imprisonment for a maximum term of 5 years. Source code for the college buddy system will be reviewed to ensure that there are no redundant codes which are similar to other counterpart software.

(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.

① 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. 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 (35)

 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	

 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	
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Student paper 30 September 2022, by 11.59pm.	Original source 30 September 2022, by 11.59pm	
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 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	

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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		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 2. Setting up a GitHub Repository 3. Creating a Class diagram and design pattern selection	Original source User Story Mapping 2 Setting up a GitHub Repository 3 Creating a Class diagram and design pattern selection	

 Student paper		100%
Student paper Creating a Prototype User Interface and Usability Testing 5. Discuss the ethical issue related to the software 20	Original source Creating a Prototype User Interface and Usability Testing 5 Discuss the ethical issue related to the software 20	
 Student paper		100%
Student paper Task 5 – Discuss the ethical issue related to the software (20 marks) Discuss and do a critical analysis of your software in this areas, privacy concerns, intellectual property rights and effects on the society. Output – A report in Word format, uploaded to GitHub.	Original source Task 5 – Discuss the ethical issue related to the software (20 marks) Discuss and do a critical analysis of your software in this areas, privacy concerns, intellectual property rights and effects on the society Output – A report in Word format, uploaded to GitHub	
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 Attachment 2 46 %Word Count: 1,821
4067CEM_AUG2022_ContinuousAssessment Part 5.pdf

Institutional database (4) 46 %

 Student paper	 Student paper	 Student paper
 Student paper		

Internet (1) 0 %

 scribd
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Top sources (3)

 Student paper	 Student paper	 Student paper
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Excluded sources (0)

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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:

① Nadhra Abdul Hadi (nadhrah.abdulhadi@newinti.edu.my)

Module Code and Title:

4067CEM Software Design

Assignment No. / Title:

Continuous Assessment

① % of Module Mark:

50

① Hand out Date:

6thSeptember 2022

Due Date:

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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
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Marking scheme Max Mark

1. ① User Story Mapping
2. ① Setting up a GitHub Repository
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4. (1) Creating a Prototype User

Interface and Usability Testing

5. (1) Discuss the ethical issue

related to the software

20

10

30

20

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Total 100

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

Discuss and do a critical analysis of your software in this areas, privacy concerns, intellectual property rights and effects on the society.

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

As every convenience brings its own inconvenience along with it, the college buddy system is no exception. INTI students might face a trade-off between having to compromise their privacy and a more immersive experience of the application. There are four main concerns where the software might infringe upon and the students should be made aware of.

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Last but not least, copyright issue has always been part of the concern. The college buddy system has exercised great caution in not violating the rules. This is due to there are many similar applications in the market, such as Facebook being the more complicated and general in the spectrum of the social networking software while Tinder and The Project being the more niche category. As software is considered as literary work, it is protected under the Copyright Act 1987. Imitating and copying other author's work is illegal and unethical because this will only discourage creative works in the community. The penalty for copyright infringement is a maximum of RM20,000 and/or imprisonment for a maximum term of 5 years. Source code for the college buddy system will be reviewed to ensure that there are no redundant codes which are similar to other counterpart software.

① Marking Rubric for Continuous Assessment

Marks Below 40% Marks in the range

40 - 49%

① Marks in the range

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① Marks 70% and

above

User Story

① Mapping (20 marks)

User Story Mapping

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not match the exact

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① User Story Mapping

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(1) Setting up a

GitHub

(1) Repository (10 marks)

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GitHub repository

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Creating a

Class diagram

and design

pattern

selection (30 marks)

① The Class diagram

does not represent

the required solution (contains generic or

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Creating a

Prototype User

Interface and

Usability

① Testing (20 marks)

No prototype were available or the measurement for the

④ usability testing is not clear.

The prototype cover minimalist and trivial

design (such as
login) and the
measurements for
④ the usability testing
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The prototype cover
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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.
- ⑤ Task 5 – Discuss the ethical issue related to the

Source Matches (64)

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
1 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
1 Student paper	100%
Student paper % of Module Mark:	Original source % 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		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	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		95%
Student paper Task 5 – Discuss the ethical issue related to the software (20 marks) Discuss and do a critical analysis of your software in this areas, privacy concerns, intellectual property rights and effects on the society. Output – A report in Word format, uploaded to GitHub.	Original source Task 5 – Discuss the ethical issue related to the software (20 marks) Discuss and do a critical analysis of your software in this areas, privacy concerns, intellectual Output – A report in Word format, uploaded to GitHub	
 scribd		80%
Student paper Personal Data Protection Act 2010 (PDPA).	Original source j) Personal Data Protection Act 2010	
 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	

1	Student paper	67%
	Student paper ethical issue with	Original source Discuss the ethical issue

5	Student paper	92%
	Student paper Task 5 – Discuss the ethical issue related to the	Original source Task 5 – Discuss the ethical issue related to the software