

SafeAssign Originality Report

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

WONG JOE SHEN -

Submission UUID: 14d281d2-9763-3615-9fcf-a91d335aca73

Total Score: High risk 66 %

Total Number of Reports	Highest Match	Average Match	Submitted on	Average Word Count
2	100 %	66 %	11/18/22	625
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Attachment 1 100 %

Word Count: 373
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Institutional database (1) 100 %

1

 My paper

Top sources (1)

1

 My 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:

1

 Wong Joe Shen

CU Student ID Number: 13459640

Semester: 1

Session: August 2022

Lecturer:

1

 Nadhrah Abdul Hadi (nadhrah.abdulahadi@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):

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 20

2. ① Setting up a GitHub

Repository 10

3. ① Creating a Class diagram and

design pattern selection 30

4. ① Creating a Prototype User

Interface and Usability Testing 20

5. ① Discuss the ethical issue

related to the software 20

Total 100

Source Matches (22)

① <i>My paper</i> 100%	
Student paper	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 Section A - To be completed by the student	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

① <i>My paper</i> 100%	
Student paper	Original source
Wong Joe Shen CU Student ID Number:	Wong Joe Shen CU Student ID Number

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Student paper	Original source
Nadhrah Abdul Hadi (nadhrah.abdulhadi@newinti.edu.my) Module Code and Title: 4067CEM Software Design	Nadhrah Abdul Hadi (nadhrah.abdulhadi@newinti.edu.my) Module Code and Title 4067CEM Software Design

① <i>My paper</i> 100%	
Student paper	Original source
Continuous Assessment % of Module Mark:	Continuous Assessment % of Module Mark

① <i>My paper</i> 100%	
Student paper	Original source
Hand out Date: 6th September 2022 Due Date:	Hand out Date 6th September 2022 Due Date

① <i>My paper</i> 100%	
Student paper	Original source
30 September 2022, by 11.59pm.	30 September 2022, by 11.59pm

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<div>Student paper</div> <div>18 November 2022, by 11.59pm</div>	<div>Original source</div> <div>18 November 2022, by 11.59pm</div>
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<div>Student paper</div> <div>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.</div>	<div>Original source</div> <div>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</div>
<div> <div></div> <div>My paper</div> <div>100%</div> </div>	
<div>Student paper</div> <div>Section B - To be completed by the module leader Intended learning outcomes assessed by this work:</div>	<div>Original source</div> <div>Section B - To be completed by the module leader Intended learning outcomes assessed by this work</div>
<div> <div></div> <div>My paper</div> <div>100%</div> </div>	
<div>Student paper</div> <div>Understand and apply appropriate concepts, tools and techniques to each stage of the software development</div>	<div>Original source</div> <div>Understand and apply appropriate concepts, tools and techniques to each stage of the software development</div>
<div> <div></div> <div>My paper</div> <div>100%</div> </div>	
<div>Student paper</div> <div>Understand and apply design patterns to software components in developing new software</div>	<div>Original source</div> <div>Understand and apply design patterns to software components in developing new software</div>

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<div>Student paper</div> <div>Demonstrate an understanding of project planning and working to agreed deadlines, along with professional, interpersonal skills and effective communication required for software production</div>	<div>Original source</div> <div>Demonstrate an understanding of project planning and working to agreed deadlines, along with professional, interpersonal skills and effective communication required for software production</div>
<div> <div>1</div> <div>My paper</div> </div> <div>100%</div>	
<div>Student paper</div> <div>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</div>	<div>Original source</div> <div>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</div>
<div> <div>1</div> <div>My paper</div> </div> <div>100%</div>	
<div>Student paper</div> <div>User Story Mapping 20</div>	<div>Original source</div> <div>User Story Mapping 20</div>
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<div>Student paper</div> <div>Setting up a GitHub</div>	<div>Original source</div> <div>Setting up a GitHub</div>
<div> <div>1</div> <div>My paper</div> </div> <div>100%</div>	
<div>Student paper</div> <div>Creating a Class diagram and design pattern selection 30</div>	<div>Original source</div> <div>Creating a Class diagram and design pattern selection 30</div>
<div> <div>1</div> <div>My paper</div> </div> <div>100%</div>	
<div>Student paper</div> <div>Creating a Prototype User Interface and Usability Testing 20</div>	<div>Original source</div> <div>Creating a Prototype User Interface and Usability Testing 20</div>
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<div>Student paper</div> <div>Discuss the ethical issue related to the software 20</div>	<div>Original source</div> <div>Discuss the ethical issue related to the software 20</div>

Attachment 2 31 %

Institutional database (4)

19 %

- ③ Student paper
④ Student paper

① Student paper

⑤ Student paper

Internet (2)

6 %

② cloudrock

⑧ wikipedia

Global database (2)

6 %

⑥ Student paper

⑦ Student paper

Top sources (3)

③ Student paper

② cloudrock

① Student paper

Excluded sources (0)

Task 5

① Discuss and do a critical analysis of your software in this areas, privacy concerns, intellectual property rights and effects on the society.

1. ② Personal Data Protection Act 2010 (PDPA) The Personal Data Protection Act also know as PDPA was published in the Gazette in the 10th of June 2010. This act is meant to regulate how the user's personal data is being processed by the people who has access over the user's data. According to the Department of Personal Data Protection, this law applies to any individual who process data and any individual who has access and authorisation to process any personal or encrypted data. This extends towards similar activities such as collecting, recording, storing and modifying data as well. ③ The PDPA contains seven principles of information handling procedures that must be abided by, which are the General Principle, Notice and Choice Principle, Disclosure Principle, Security Principle, Retention Principle, Data Integrity Principle and Access Principle. If one decides to collect data illegally, the person will be met with a fine not exceeding RM500,000 or imprisonment for a jailtime not over 3 years or to both.

So, for the college buddy system, it is reasonable for this law to apply towards the registration and activity log section of the application since both of those sections collect data from the users and store it in a database. The registration section stores the user's personal email address, contact number and links to the user's other social accounts on other platforms whilst the activity log stores the interactions made by the user on the app to sort out the preferences of the users for commercial purposes. The users have given their consent for the user's personal data to be collected and recorded into the database after the users complete the registration process since the users need to accept an agreement of the terms and conditions apply to use the college buddy system before continuing to log into the app.

If the PDPA law isn't abided by the users of the college buddy system, the users may face the risk of being a victim of identity theft and on a larger scale, a data breach would be possible if precautions are not being made for the user's safety. This is why the users are advised to verify their personal details and set up a proper 2-factor authentication or even a security question to enhance the security of the user's data after the users have finished registering and login to their respective accounts. Not only does this help reducing the risk of getting hacked but it could also let users to develop a sense of security for their personal information.

2. Promotion of Respectful and Responsible Relationships Act Since Malaysia has yet to introduce any specific laws regarding cyberbullying, we could look towards one of the countries which has the strongest cyberbullying laws in the world which is Canada. The Promotion of Respectful and Responsible Relationships Act was made to amend the Education Act to focus more on prevent bullying and cyberbullying from happening. Individuals who engage in either of these activities will face a suspension from school or even worse according to some school's code of conduct. Individuals who have reported to have several cases of bullying or cyberbullying may face expulsion and possible jail time.

Since the college buddy system acts as a centralized communication hub, it is crucial to foster a safe environment where all students are respected and accepted for the person they are. This act may apply to the chatting section and feed section which allows authorities to monitor the user's activities and observe if there is any suspicious activity of cyberbullying occurring in this space. Furthermore, if a user witnessed any activity of cyberbullying, the user may report the incident towards the support agents to notify them of this matter so that the administrators may take action to suspend the bully's account and report its name towards the officials of college in order to prevent cases of bullying occurring in the campus.

If the users fail to abide by this law, it would be disastrous for the college buddy system since it has failed to moderate and foster a safe place for the users to socialize and have a better quality of college social life. Victims of cyberbully are very likely to be traumatized by the bullies and cause psychological damage and diseases such as severe social anxiety or even depression. To prevent such disasters from occurring, administrators and official staffs from the college must work in tandem to foster a positive community and enforce rules and regulations towards such actions. Students who are caught in cyberbullying may face being suspended or even expelled by the school, victims of cyberbullying are also advised to seek legal consultation or counselling so that the victims may feel some sort of comfort and support by the community.

References: 1. (4) Personal Data Protection Act 2010. (5) [online] Available at: (6) <https://www.pdp.gov.my/jpdpv2/laws-of-malaysia-pdpa/personal-data-protection-act-2010/?lang=en> [Accessed at:

18 November 2022] 2. Promotion of Respectful and Responsible Relationships Act. (5) [online] Available at: (7) https://nslegislature.ca/legc/bills/61st_4th/3rd_read/b030.htm [Accessed at: (8) 18 November 2022]

Source Matches (9)

(1) <i>Student paper</i>	84%
<p>Student paper</p> <p>Discuss and do a critical analysis of your software in this areas, privacy concerns, intellectual property rights and effects on the society.</p>	<p>Original source</p> <p>Discuss and do a critical analysis of your software in this areas, privacy concerns, intellectual</p>
(2) <i>cloudrock</i>	64%
<p>Student paper</p> <p>Personal Data Protection Act 2010 (PDPA) The Personal Data Protection Act also know as PDPA was published in the Gazette in the 10th of June 2010.</p>	<p>Original source</p> <p>Personal Data Protection Act (PDPA) 2010 – An Overview Malaysia has recently implemented its own version of the Personal Data Protection Act (PDPA) 2010</p>
(3) <i>Student paper</i>	82%
<p>Student paper</p> <p>The PDPA contains seven principles of information handling procedures that must be abided by, which are the General Principle, Notice and Choice Principle, Disclosure Principle, Security Principle, Retention Principle, Data Integrity Principle and Access Principle.</p>	<p>Original source</p> <p>PDPA revolves seven fundamental principles which are General Principle, Notice and Choice Principle, Disclosure Principle, Security Principle, Retention Principle, Data Integrity Principle, and Access Principle</p>
(4) <i>Student paper</i>	100%
<p>Student paper</p> <p>Personal Data Protection Act 2010.</p>	<p>Original source</p> <p>Personal Data Protection Act 2010</p>
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7 Student paper69%	
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8 wikipedia67%	
Student paper 18 November 2022]	Original source 18 February 2022