SafeAssign Originality Report

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

KO CHI LING -

Total Score: ⊗ High risk 51 %

Submission UUID: ab0ac682-e0d7-b50d-1000-17246c4ec6e3

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⊗ Attachment 1   51 %

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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

② Coursework cover sheet

① Section A - To be completed by the student Full Name: Ko Chi Ling

② CU Student ID Number: 13446950

② INTI Student ID Number: P21013435

Semester:1

Session: August 2022

Lecturer: ② Nadhrah Abdul Hadi (nadhrah.abdulhadi@newinti.edu.my)

Module Code and Title: 4067CEM Software Design

Assignment No. / Title: ② Continuous Assessment % of Module Mark: 50

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

Task 3: ② 4 November 2022, by 11.59pm. Task 4: ② 4 November 2022, by 11.59pm. Task 5: ② 4 November 2022, by 11.59pm.

Penalties: (2) No late work will be accepted. (1) If you are unable to submit coursework on time due to extenuating circumstances, you may be eligible for an extension. (2) Please consult the lecturer.

Declaration: (2) 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. (2) Understand and apply appropriate concepts, tools and techniques to each stage of the software development

2. (2) 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. (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.

(2) Marking scheme Max Mark

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

4. (3) 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

Task 5

Computer Crime Act 1997

Computer Crime Act 1997 is about the law of misemploy of the computer. The aims of the computer crime act 1997 has been made is to prevent the computer-related offences such as hacking, cracking, and phishing. This computer crime act 1997 has been recognized by Malaysia's legislative body in 1997. The law has been enforced on June 2000. (Laidey, 2021)

In this buddy system app, the forget password part and the change password part are needed to follow this law. A verification code is need to enter when the user is changing the password to ensure the account is owned by the user himself. The email provided during changing password must be the same email with the one used to register this account to protect the user.

The impact of the buddy system app if does not follow this law is the user have the chance to be phishing by the cybercriminals. The personal data of the user may be hacked by the cybercriminal. The cybercriminals can pretend to be the user can change the password of the user account and access to the account and stolen all the personal information. (4) The criminals will be fine RM25,000 to RM150,000, or imprisonment of 3 to 10 years, or both. (Chia, 2022)

(5) Personal Data Protection Act 2010 ('PDPA Act 2010')

Personal Data Protection Act 2010 (PDPA Act 2010) is a law that used to protect an individual's personal data in a commercial context, such as banks, telecommunication companies, ISPs, or application service providers, to take practical steps to protect the personal data from loss, unauthorised or accidental access or disclosures, alteration, or destruction. This law is introduced and put into action on November 15, 2013. (NACSA, 2022)

This law must be followed by the create account part and also the fill in the personal information part in the buddy system app. The edit personal information part should follow this law too. The create account part has a data privacy policy need to be read and followed by the user as their personal data will be stored in the buddy system app. The users agree to share their data on this app. The buddy system app must have laws to protect the user's data to ensure the privacy of the data is protected.

If this buddy system app does not implement this Personal Data Protection Act 2010 (PDPA Act 2010), the user's personal information may be exposes to the public. This buddy system app will face a criminal penalty of up to RM500,000 in fines or up to three years in jail, or both if the buddy system app developer fails to do so may result in prosecution under the PDPA Act 2010. (Chia, 2022)

Ethics of Communication Guidelines on sharing a post

The ethics of communication guidelines is about the policies set by the system owner to let the user know what can do and what cannot do in the app.

The communication guidelines have included the illegal contents, bullying and harassment, violence, hate speech, and spam. These ethics has to be followed by the user. (Instagram, 2022)

This ethics has been followed by the study forum part of the buddy system app. The user should not post anything that is against the communication guidelines that provide in the terms and conditions. The user cannot share things like support terrorism, spreading fake new, cyberbullying, and organized crime. This ethics should also be followed by the contact method part in the app. The ethics should also be followed in the contact method part.

The impact of the user if does not follow this communication guidelines is the post the of the user will be removed by the buddy system app. The user will be

blacklisted by the buddy system app. If the buddy system app found that someone is pretending to be a user in this app, buddy system app will terminate the user's account. The impact of the buddy system app is the buddy system user will be accepting the false information that will affect their mental and physical health. (Instagram, 2022)

Copyright (Amendment) Act 1997

Copyright (Amendment) Act 1997 is a law that to protect an individual's works from an unauthorised transfer of information of copyright works over the Internet a copyright infringement. These protections are intended to ensure sufficient intellectual property rights protection for major investments in the IT and multimedia environments. This copyright act 1997 has come into effect on 1st April 1999. (LAWYERMENT, 2014)

This copyright act 1997 has to be follow by the My Buddy parts and study forum parts in this app. This part contains creative works. These two parts is the main function in the app. The logo of the buddy system should follow the copyright act 1997.

The impact of on the buddy system app if does not follow this law, the prototype will not be protected under the law. The developers cannot sue the one who infringe the things. The developer may have the chances to be sue if someone copy the idea and register for the copyrights.

Penal Code Malaysia on Section 416 and 417

Penal Code Malaysia is a law that have entrench most of the criminal offences and procedures in Malaysia. Section 416 of penal code is about the cheating on pretending to be someone else or knowingly replacing one person for another other than what such other person is. Section 417 of penal code is about the punishment of the identity thief. According to Section 417, such a crime carries a jail sentence of up to five years, a fine, or both if charged with a crime.

This law has to be followed on the user profile part and also the chat now function part. If the user finds out there is an account pretending someone of your buddy or you, the user can contact the buddy system and buddy system will take action for this problem.

If the buddy system does not follow this law, the user will not protect from cheating from others. For instance, the criminals mislead the user by pretending as the user's buddy and phishing on the user. This will affect the user's safety on using this buddy system app. Whether the individual personated is a real or fictitious person, the offence is committed. (Chia, 2022)

References

Chia, L. & A., 2022. Basics of Cyber Security Law in Malaysia. (6) [Online] Available at: https://chialee.com.my/basics-of-cyber-security-law-in-malaysia/ [Accessed 15 11 2022]. Instagram, 2022. Instagram Community Guidelines FAQs. (6) [Online] Available at: https://about.instagram.com/blog/announcements/instagram-community-guidelines-faqs [Accessed 15 11 2022]. Laidey, N., 2021. SSRN. (6) [Online] Available at: https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3876820#:~:text=Abstract,as%20hacking%2C%20cracking%20and%20phishing [Accessed 14 11 2022]. LAWYERMENT, 2014. Why is there a need for Copyright (Amendment) Act 1997?. (6) [Online] Available at: https://www.lawyerment.com/library/kb/Intellectual_Property/Copyright/1364.htm [Accessed 16 11 2022]. NACSA, 2022. MALAYSIAN CYBER LAWS. (6) [Online] Available at: https://www.nacsa.gov.my/legal.php [Accessed 16 11 2022].

Source Matches (34)

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No late work will be accepted.		No late work will be accepted

① Student paper	100%

Student paper	Original source
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② Student paper	100%

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

② Student paper	100%

Student paper	Original source
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Student paper	Original source
Marking scheme Max Mark	Marking scheme Max Mark

③ *Student paper*	100%
Student paper	Original source
User Story Mapping 2. Setting up a GitHub Repository 3.	User Story Mapping 2 Setting up a GitHub Repository 3

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

③ *Student paper*	100%
Student paper	Original source
Creating a Prototype User Interface and Usability Testing 5.	Creating a Prototype User Interface and Usability Testing 5

① *Student paper*	100%
Student paper	Original source
Discuss the ethical issue related to the software 20	Discuss the ethical issue related to the software 20

④ *iclg*	66%
Student paper	Original source
The criminals will be fine RM25,000 to RM150,000, or imprisonment of 3 to 10 years, or both.	Depending on the type of offence committed, the fine for a convicted offence ranges from RM25,000 to RM150,000 or imprisonment of three to 10 years or both

⑤ *ProQuest document*	77%
Student paper	Original source
Personal Data Protection Act 2010 ('PDPA Act 2010')	Personal Data Protection Act, 2010 (Act No

⑥ *Student paper*	100%
Student paper	Original source
[Online] Available at:	[Online], Available At

⑥ *Student paper*	100%
Student paper	Original source
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