

SafeAssign Originality Report

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

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CHU ZHI XUAN -

Submission UUID: fd069465-00ca-483f-d978-42b1a54ffc2a

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1

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54 %

Chu Zhi Xuan Task 5 Ethics issue in soft...

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 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 studentFull Name:  CHU ZHI XUAN




CU Student ID Number: 12673128

Semester: JAN 2022


Session: April 2022

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

Module Code and Title: 4067CEM Software Design

Assignment No. / Title:  Continuous Assessment % of Module Mark: 50 Hand out Date: 22nd April 2022 Due Date: Task 1:  13 May 2022, by 11.59pmTask 2:  1 July 2022, by 11.59pmTask 3:  17 June 2022, by 11.59pm. Task 4:  17 June 2022, by 11.59pm. Task 5:  17 June 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 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):)

② 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.

① Marking scheme Max Mark

1. ④ User Story Mapping 20

2. ① Setting up a GitHub

Repository 10

3. ① Creating a Class diagram

and design pattern selection 30

4. Creating a Prototype User

Interface and Usability 20

Testing

5. ① Discuss the ethical issue 20

related to the software

Total 100

Privacy Concern

The online software makes our life become much so convenience that we can online shopping with one mobile phone and stay at home. Then, card payment online become the trend to pay whatever we buy in online. Unfortunately, our payment details will exposed when they someone try to get our bank information. Some website to provide the seamless service and often store cookies about our personal information for later use. These can cause our information can be steal when happen unauthorized access, eventually our assets in bank are being steal.

Most of the website required you open the location tracking in term the website service need it to serve you. It's will expose the location of us when it doesn't turn off manually, providing the first-hand information to the world, which is exactly risking and insecure.

In correct nowadays situation, the user of College Event Management System of privacy are protecting under Personal Data Protection Act 2010. We have set up the policy with implement the principle of PDPA by following:

Retention Principle

Under this principle, the personal data will not permanently stored than is necessary for the fulfilment for purpose. Our software generates cookies which the files store the information of user activity when they browse the website. These cookies don't store data permanently in anywhere but once close the browser, the cookies will be deleted.

Notice and choice principle

Under this principle, the data user have to inform by written notice including the fact that the data user being processing and description of data, the data being collected and further processed, the personal's right to request access to and correction of personal data. In order to follow the principle, our software have the whitepaper of privacy policy and term of user during the registration of account. These paper include how we collect the data and what we collected ,what further process after the data collected, the right of user to request access and update their data, the choices for user limiting the data processing. Our software will not automated collecting user personal data when browsing our website. Any personal data we receive are come from the user by send the electronic form during registration account, participants in event and club , fill out feedback forms. The types of personal information that user provide may include name , email address, contact number, gender.

Disclosure principle

Under this principle, it's prohibit the disclosure without user consent unless there is the purpose under legal obligation to share personal data to third party. The personal information that user provide will be used to provide and personalise our services to meet user needs. We may use to create an account, verifying the email, send the updates on club event, security alert, administrative messages, provide the user request with the website.

We don't sell the user information to third parties to protect our users information.

⑤ Intellectual Property Right

IPR is the legal right that granted to the creator to ensure their innovation is protected and allow the creator have an exclusive authority to modify or control in their own creations. IPR in Malaysia comprise patents, trademarks, design, copyright, geographical indicator and layout design of integrated circuit. All the innovation creations of owner has been protected under Copyright Act 1997. Since Malaysian Intellectual Property Office put more effort in combat against the counterfeiting and piracy in online, by developed specialized IP enforcement unit to enhance the enforcement of intellectual property rights, the environment of intellectual property administrative get improved and the innovation of works can guaranteed by the law. To clarify our intellectual property right, this is the following:

- The intellectual property of our software content including, but not limited to not limited to, text, graphics, trademarks, logos, service marks, software, photos, videos, music, sound, all software compile , underlying source code shall remain our Intellectual Property.
- The parts of software shall not be reproduced, reverse engineered, decompiled, republished, store in any server without our permission and relevant licensor

Our IT department are registered member of MNCC and following the principle embraced by MNCC: Confidentiality

The IT professional are required to awareness in confidential information when entrusted it and should not disclosure or use in own advantages. We are strict to the disclosure of the client information and user information and once the employee suspect in disclosure confidential , we will bring it to lawsuit with no hesitate. Our employee are trained measure to ensure the confidentiality , inadvertently misusing data, watchful for leaks confidentiality arising from indiscretion. In the software, we have the procedure for process the confidential information and ensure not to expose in the website to prevent unreversible impact.

Effect on society · In the modern world, the computer software everywhere in our lives and already adapted with it. During pandemic covid-19, the interaction of between people between software become accelerated from personal entertainment and social networking to e- commerce, online education, online services. Each software that required the user people to key in their personal data to access the software features, although the software have responsibility to protect the user data but no guarantee for accidental access from hackers. Eventually ,the people personal information's are getting exposed to the digital world which might cause the fraud case happen in the society. · The computer software has been improve the life of people in society for many years, its help to communicate faster, building a worldwide network from different country, processing the task work efficiently and resulting in rapid development in society like from school, company, hospital, logistics and governments. However, software can be double- edged sword, but depend on the software engineering ethics when designing the app and the use of app. · We have implement the ethics and laws to our software to protect the privacy of data user from the hacker and scammer to take it as advantages to steal the property of user. We as the developer have responsibility to ensure the codes of software are integrity, secure, stabilize to turn the information technologies environment with highly secure and address with ethical terms. In order that, the user put down the stone in mind and using our service with peace of mind.

Source Matches (24)

① <i>Student paper</i> 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 <i>Student paper</i> 100%	
Student paper Section A - To be completed by the student	Original source Section A - To be completed by the student
③ <i>My paper</i> 100%	
Student paper CHU ZHI XUAN CU Student ID Number:12673128	Original source CHU ZHI XUAN CU Student ID Number:12673128
① <i>Student paper</i> 100%	
Student paper Nadhras Abdul Hadi (nadhras.abdulahadi@newinti.edu.my) Module Code and Title: 4067CEM Software Design	Original source Nadhras Abdul Hadi (nadhras.abdulahadi@newinti.edu.my) Module Code and Title 4067CEM Software Design
① <i>Student paper</i> 100%	
Student paper Continuous Assessment % of Module Mark:	Original source Continuous Assessment % of Module Mark
① <i>Student paper</i> 100%	
Student paper Hand out Date: 22nd April 2022 Due Date:	Original source Hand out Date 22nd April 2022 Due Date

<div> <div>1</div> <div>Student paper</div> </div> <div>100%</div>	
<div>Student paper</div> <div>13 May 2022, by 11.59pm</div>	<div>Original source</div> <div>13 May 2022, by 11.59pm</div>
<div> <div>1</div> <div>Student paper</div> </div> <div>100%</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>
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<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>1</div> <div>Student paper</div> </div> <div>100%</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>

① 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
① 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
① Student paper 91%	
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	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
① Student paper 100%	
Student paper Marking scheme Max Mark	Original source Marking scheme Max Mark
④ Student paper 81%	
Student paper User Story Mapping 20	Original source User Story Mapping
① Student paper 70%	
Student paper Setting up a GitHub	Original source Setting up a GitHub Repository 3
① Student paper 65%	
Student paper Creating a Class diagram	Original source Creating a Class diagram and design pattern selection
① Student paper 78%	
Student paper Discuss the ethical issue 20	Original source Discuss the ethical issue related to the software 20
⑤ Student paper 66%	
Student paper Intellectual Property Right	Original source Intellectual Property Rights