**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**

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| --- | --- |
| Full Name: Sulaiman Sidek Bin Azman Shah | |
| CU Student ID Number: P21013694 | |
| Semester: 3 | |
| Session:  **April 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:  **22nd April 2022** | Due Date:  **Task 1: 13 May 2022, by 11.59pm**  **Task 2: 1 July 2022, by 11.59pm**  **Task 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): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

**Section B - To be completed by the module leader**

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| Intended learning outcomes assessed by this work:  1. Understand and apply appropriate concepts, tools and techniques to each stage of the software development  2. Understand and apply design patterns to software components in developing new software  3. Demonstrate an understanding of project planning and working to agreed deadlines, along with professional, interpersonal skills and effective communication required for software production  5. 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. User Story Mapping 2. Setting up a GitHub Repository 3. Creating a Class diagram and design pattern selection 4. Creating a Prototype User Interface and Usability Testing 5. Discuss the ethical issue related to the software | 20  10  30  20  20 |  |
| Total | 100 |  |

**Ethical Issue Related to The Software**

**Privacy Concern**

In this website, I obey the Personal Data Protection Act 2010 (PDPA) which was implement on the 15th November 2013 in Malaysia. The main purpose is to ensure the individual’s personal information are protected for commercial transaction. It is applying to any individual’s who operate or has the authorizes the processing of individual’s personal data in respect for the commercial transactions. In this system, the college will only collect the personal data such as username, password, name, IC number, phone number, course, email, college, feedback and events.

Data can be collected through login, sign up and registration in the database and website. When signing up or log in to your account, the data that have been collected will only be used in the website. The users can use it to contact with others in the system, like giving their own feedback or asking or answering question to the admin. The collected date will be store and save in the database, it will store it only for 3 to 4 years maximum.

The website is maintained and well protected to spill any information about the user. However, hackers and scammers can still be able to contact the phone number but as long as we didn’t answer or reply to it. And they will not be able to access it without the unique data like username and password.

**Intellectual Property Rights**

Copying or re-use any source of material is the major threat to the website, which when a user goes beyond in visiting pr access the site, download or view it and print what is on the site. The website content is safely protected by intellectual property rights (IPR) such as, laws that protect the database, design, laws copyright relating and confidential information. The owner has the rights to prevent any unauthorized use of materials.

**Effects On Society**

Effects on society is how the website for the event system have affected the society.

After the world got hit by this covid-19, there are many problems we have to face, especially for us. Even after when the pandemic is getting lesser, student is not expose to the event during the year. There is not much news to get to know on what is happening in campus and less in touch with the others student during their college years. In this website, student can be dedicated to be involve in news or events.

The event system website can also be a path way to find friends. They are able to communicate with others and can form a team or a group for any kind of events or club. It will be a great place to promote for any activity to make the website more alive in order to get more attention. There’s no restriction for any student to search or find any information in here.

Besides that, the host of any event can make an announcement to the student, by doing this it can send the message to all. If student want to register themselves, they don’t need to ask for any form instead they can just get through the website with ease.