**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: Chan Kok Han | |
| CU Student ID Number: P21013717 | |
| 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): Han | |

**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 |  |

**Vision**  
To provide all-in-one event information and a registration platform for college event organizers and students.

**Product**  
The product to build is a College Events System for Students that can solve the following problems:

* Difficult for students to get event information
* Hard for students to register for the event
* Hassle of using a paper-based system to register students and time-consuming
* No communication between the event organizers and students
* No event reminders to notify students
* No platform for the organizers to promote their events to students
* No timely event information can be shared with students
* Unable to keep track of the student's attendance records
* Unable to provide events updates to students
* Unable to collect responses from students

**Users**  
College event organizer and students

**Values of the College Events System for Students**

The system values are as follows:

* Enrich students' experience
* Focus on our student's needs
* Knowledge sustainability for students
* Provide great services to students
* Students deserve timely and flexible responses

**Benefits of the College Events System for Students**

The system benefits colleges and students in many ways instance:

* Easy for students to select, manage, and register events
* Effectively manage the event
* Event reminders and notification
* Get up-to-date events information
* Improve communication and engagement
* Paperless and environmentally friendly
* Save time and cost for students to view and register for the events
* Storing attendance data for reporting and analytics
* User-friendly interface
* Well organized and systematically

**The flow process to get feedback**

Firstly, I asked my friends (users) what they wished for in a College Events System for Students as the system is related to them. Secondly, I created ten questions and sent them to my lecturer for review. Thirdly, I prepared ten questions in Google Form and distributed them to 16 friends and received 12 responses. Lastly, I analyzed their feedback and used the Miro software to complete the user story mapping activity.

**User Stories**

Below are the ten questions created in Google Form and feedback received from my 12 friends (users). All questions are compulsory except the last question.

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**User Story Mapping**

