**INTI International College Penang School of Computing**

**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: LEE YUEH YU | |
| CU Student ID Number: 14008751 | |
| Semester: 2 | |
| Session:  **April 2023** | |
| Lecturer:  **Puteri Nursyawati Azzuri (puteri.azzuri@newinti.edu.my)** | |
| Module Code and Title:  **4067CEM Software Design** | |
| Assignment No. / Title:  **Continuous Assessment** | % of Module Mark:  **50** |
| Hand out Date:  **12 May 2023** | Due Date:  **Task 1: 02 June 2023, by 11.59pm.**  **Task 2: 07 July 2023, by 11.59pm**  **Task 3: 23 June 2023, by 11.59pm.**  **Task 4: 23 June 2023, by 11.59pm.**  **Task 5: 23 June 2023, 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 the 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:  Understand and apply appropriate concepts, tools, and techniques to each stage of the software development.  Understand and apply design patterns to software components in developing new software.  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 | 20 |  |
| 2. Setting up a GitHub |  |
| Repository | 10 |
| 3. Creating a Class diagram and |  |
| design pattern selection | 30 |
| 4. Creating a Prototype User |  |
| Interface and Usability Testing | 20 |
| 5. Discuss the ethical issue |  |
| related to the software | 20 |
| Total | 100 |  |

**Task 1 User Story Mapping**

System: Student Business System for College

* As a student, I want to access an online job board where I can search and apply for internships and part-time job opportunities relevant to my field of study.
* As a student, I want to view my academic transcripts and grades for each completed course, as well as my overall GPA.
* As a student, I want to request and track the status of official documents, such as enrollment certificates or visa letters, that I may need for various purposes.
* As a student, I want to view and register for extracurricular activities, clubs, and student organizations on campus.
* As a student, I want to view and apply for available scholarships, grants, and financial aid programs, and track the status of my applications.
* As a student, I want to access a student feedback system where I can provide feedback on courses, professors, and other college services.
* As a student, I want to access a virtual library where I can search and access academic journals, e-books, and other learning resources.
* As a student, I want to receive personalized academic recommendations based on my course history, interests, and career goals.
* As a student, I want to access a virtual career fair platform where I can explore job opportunities, interact with recruiters, and submit job applications.
* As a student, I want to access a campus map or navigation system that helps me find buildings, classrooms, and other facilities on campus.

