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SOFTWARE DESIGN • User Story Mapping (20%)

CHOW Ching Huey -

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	Task 1(Chow Ching Huey).docx		11:50 PM GMT+8	Highest: Task 1(Chow Ching Huey).docx

🟠 Attachment 1   22 %

Word Count: 2,219
Task 1(Chow Ching Huey).docx

Institutional database (3)   22 %

(1) *Student paper*   (2) *Student paper*   (3) *Student paper*

Top sources (3)

(1) *Student paper*   (2) *Student paper*   (3) *Student paper*

Excluded sources (0)

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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

Coursework cover sheet

Section A - To be completed by the student Full Name: Chow Ching Huey

(1) CU Student ID Number: 12673195

Semester: 2

Session: April 2022

Lecturer: (1) Nadhrah Abdul Hadi (nadhrah.abdulhadi@newinti.edu.my)

Module Code and Title: 4067CEM Software Design

Assignment No. / Title: (1) Continuous Assessment % of Module Mark: 50

(1) Hand out Date: 22nd April 2022 Due Date: Task 1: (1) 13 May 2022, by 11.59pm

Penalties: (1) 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: (1) I/we the undersigned confirm that I/we have read and agree to abide by the University regulations on plagiarism and cheating and Faculty course-work 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. (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.

Marking scheme Max Mark

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

4. (1) Creating a Prototype User Interface and Usability Testing 5. Discuss the ethical issue related to the software 20

10

30

20

20

Total 100

Task 1: (2) User Story Mapping

Defining vision: · Mission: to build a club management system for INTI International College Penang (IICP) as there is no such system that can aid students and clubs in efficiently and effectively by managing all clubs related matters in one and only place. · Users: students and the admin i.e., the representative of the club committee who is responsible for posting events into the system. (2) · Value and benefits of this product: college clubs would use these as a platform to showcase their events, activities, and community to those students who are interested. This can also build and strengthen their communities, and let individuals learn and grow through those club activities.

Interview results:

(2) User Story Mapping:

Color

Goal Green

Activity Blue

Task Light pink

Sub task (upper) Coral

Sub task (middle) Orange

Sub task (lower) Yellow

Student/User

Figures below shows the user story mapping for students/users. There are five goals in total: Goal 1: Manage user account

Goal 2: View clubs

Goal 3: Join clubs

Goal 4: View Events

Goal 5: Participate Events

Further explanation of the whole user story mapping for student/user: Main menu slide: In the homepage, which is the event feed, the user can slide open a side main menu to access the user/member/participant-oriented features.

View list of clubs: There will be two subpages, "Clubs" and "My Clubs" to view club lists. "Clubs" page is for students especially freshmen can explore all the clubs by clicking on them to view their profile pages. "My Club" page is where all joined clubs are listed there.

QNAs and forums: QNA is the page that is available for all students who want to know more about the clubs. Forums is the page where non-members can have access to only part of all threads, as some threads are members-only which can only be accessed by the club's members to access private resources.

Built-in fill up forms: Students can straight away do registrations or membership requests without needing to find the club's committees to obtain google forms.

Club account holder

Figures below shows the user story mapping for club account holders. There are four goals in total: Goal 1: Manage club account

Goal 2: Manage club members

Goal 3: Manage event

Goal 4: Manage posts

Further explanation of the whole user story mapping for club account holder: Club account: There will be only one committee member (usually presidents) to manage club's account, which is to be the club account holder. Each club has only one account, meaning that this person has their own student account as a user, and has this club account they are assigned to hold. For new clubs, the assigned club account holder will obtain their club's email and password given by IT services in college. The club account holder is responsible for doing the procedures (replying QNAs, post events, submit event proposals, registering logistics and approving membership and participation requests), meaning that the committee group would discuss and making decisions together and let only one member to do the procedure in the system.

Analytics: The club account holder can view all systematic computational analysis of data or statistics. The clubs can conduct interpretation and effective decision making or improvements their procedures of event organizations in the future. All analytics will be accumulated and will not be deleted. All information/data/statistics would accumulate in the club account and can pass down to the next club account holder.

Managing club and committee membership requests: Instead of contacting and waiting for replies using social media which sometimes time consuming, having a feature where all requests stored in the system would be effective and efficient for the club to manage membership requests.

Manage club events: Carrying out procedures which are storing proposal details and logistics registration in a database online would be efficient and failproof from human errors.

Manage club posts: Posts are useful to promote upcoming organizing events to students who are interested to participate in. Sign in/log in into account using student account only

go to log in page

enter student email and password given by IT services

view account

view saved eventscalendar

use student email for account and college student

verification (only on 1st time log in) view-only account profile and email address

view activity stream(new posts, notification of updates regarding enrollment/registeration requests approval) view upcoming events (prior to nearest due) show brief details of the event (venue, time and date, agenda etc) rate event on a scal of 1 to 5, and textbox for feedback

forwards user to view event

show brief details of the event (venue, time and date, requirements etc) notify button to add schedule into calendarcan set schedules

all schedules that are set in calendar will get notified here

has integration with Google calendar for easy schedule planning

open slide

has easy-access main menu slide

manage user account

notificationsview participated event history participating event

open and view list of all clubs

open and view list of submitted membership requests

view club's profile

membership request stays when have not approved yet

click and view club's page feed (posts that are only available by members only) click and view club's profileQNAs and forum for each clubhave searchbar

click and view answered questions

can post questions

has categorized topics for discussion to choose

have searchbarclick and view threads

can post questions/threads for discussion for that specific topic

can post comments

view club's name, media gallery and brief description

will notify student when the are approved

posts/upcoming events

view club's name, media gallery and brief description

③ view students' questions and admins/president's answers

available to set in anonymous all posts and comments

set as: all/my clubs/ choose one club view questions/answers/disc

ussions from members

available to set in anonymous all posts and comments

available to set in anonymous all posts and comments

contacts of club president and/or admin

contacts of club president and/or admin

can upload files (word, images etc) can upload files (word, images etc) has comment feature to comment on posts and reply other users' comments

QNAs and forum for each club can upload files (word, images etc) enrollment button

show all results of answered questions that is similar regarding the keyword

show all results of posted threads

that is similar regarding the keyword

enter keyword/question

searchbar to enter keyword/thread/questio

n

open "my clubs" Able to view enrolled clubs in separate (from whole club list page and each enrolled clubs). Also can view membership requests

view QNA and forum page of a club

Able to ask questions about club related questions

View clubs

open "clubs" Able to view whole club list (to know them better) and enroll

open and view list of enrolled clubsQNA sub page forum sub page

participate events

have join club feature that only using the system is need to fill up member details

join as committee have participant registration feature that only using the system is need to fill up participant details

fill up in built-in fill up form in the system

fill up in built-in fill up form in the system

fill up in built-in participant form in the system

fill up form pagefill up form page

participant event registration form page

fill up form detailsfill up form details

have filter feature to view posts based on user's parameters

have searchbar

Like button to show student's interest level

register button for students who wants to participate the event

save buttonnotify me button

participant registration form details

student name, ID, school, course, contact number, email

member name, ID, school, course, contact number, email

set as: all/my clubs/ choose one club forward to registeration page

saves event into account profile forward to calendar to set date, with automatic fill in the event name and date and time

student name, ID, school, course, contact number, email

set range of dates

set as: seminar/workshop/ activity/competition

show all results of posts regarding the keyword

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enter keyword to find events starting from latest

join club

view homepage

Able to view upcoming events from all clubs

View events

view all latest upcoming events at homepage feed

Sign in/log in into club admin account using student club admin account go to log in page

enter club admin email and password given by IT services

view club account

calendar

use student email for account and college student

verification (only on 1st time log in) view-only account profile and email address

view statistics of number of likes, views, users who are interested to the event post, attendance of members for that event. All information can be stored and pass down to the next admin

view conducted event history

view activity stream(notificationupdate summary of statistic results of posts, notification of updates regarding enrollment/registeration requests approval) view list of upcoming events to conduct (prior to nearest due) notify when event is approved

view notifictaions from QNA and forum

show brief details of the event (venue, time and date, requirements, agenda etc) notify button to add schedule into calendar as reminder

can set schedules

barcharts, piecharts, comparison between members only and all students

show brief details of the event (venue,time and date, agenda etc) update summary of statistic result (likes, views, participants, interested students and members or both) click to view QNA and forum page to ans

show status/progress (pending for approval, approved etc) has integration with Google calendar for easy schedule planning

show event ratings and feedbacks from participants

notifications of membership requests

update notifications for proposal, logistic registration, checking and booking club rooms

get notified at one hour before to get ready

all schedules that are set in calendar will get notified here

organizing events

view analytics (the process of discovering, interpreting, and communicating significant patterns in data in terms of students' interests. Quite simply, analytics helps

clubs see insights and meaningful data that we might not otherwise detect.) open main menu slide

has easy-access main menu slide

manage club account

notifications

answering in QNA and forum

open questions or post done by students or members

event proposal

logistic registeration, checking and booking facility

view question/forum post

committee listmember listview student's details approve buttonview member's detailsapprove buttonfill in formfill in form

reply/comment feature to post answers/ discussions

fill in form to post

has option to set post as featured post

ordinary members

student's name, ID, email, contact number

member's name, ID, email, contact number

venue, date and time, agenda, description of event

logistics, room, facility or other

can upload files (word, images etc) post description and upload files (video, image, excel etc) set and edit the duration/date to stop setting post as featured

contact numbers to reach out the committee members

president, vice-president, secretary, treasurer and standing committees

open club membership requests

allow members to join committee

open club committee requests

list of membersview list of students create post

open homepage

uploading posts for student to check out organizing events

manage postsManage club members

approval request

organising events

manage events

view list of members

access to list of members and committees

open main menu slide

allow students to join club

Source Matches (20)

ⓘ *Student paper*	100%

Student paper	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	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

ⓘ *Student paper*	100%

Student paper	Original source
Section A - To be completed by the student Full Name:	Section A - To be completed by the student Full Name

ⓘ *Student paper*	100%

Student paper	Original source
CU Student ID Number:	CU Student ID Number

ⓘ *Student paper*	100%

Student paper	Original source
Nadhrah Abdul Hadi (nadhrah.abdulhadi@newinti.edu.my) Module Code and Title: 4067CEM Software Design	Nadhrah Abdul Hadi (nadhrah.abdulhadi@newinti.edu.my) Module Code and Title 4067CEM Software Design

ⓘ *Student paper*	100%

Student paper	Original source
Continuous Assessment % of Module Mark:	Continuous Assessment % of Module Mark

ⓘ *Student paper*	100%

Student paper	Original source
Hand out Date: 22nd April 2022 Due Date:	Hand out Date 22nd April 2022 Due Date

ⓘ *Student paper*	100%

Student paper	Original source
13 May 2022, by 11.59pm	13 May 2022, by 11.59pm

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Student paper	Original source
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ⓘ *Student paper*	100%

Student paper	Original source
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.	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

①	*Student paper*	100%

Student paper	Original source
Section B - To be completed by the module leader Intended learning outcomes assessed by this work:	Section B - To be completed by the module leader Intended learning outcomes assessed by this work

①	*Student paper*	100%

Student paper	Original source
Understand and apply appropriate concepts, tools and techniques to each stage of the software development	Understand and apply appropriate concepts, tools and techniques to each stage of the software development

①	*Student paper*	100%

Student paper	Original source
Understand and apply design patterns to software components in developing new software	Understand and apply design patterns to software components in developing new software

①	*Student paper*	100%

Student paper	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	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*	100%

Student paper	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. Marking scheme Max Mark	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	*Student paper*	100%

Student paper	Original source
User Story Mapping 2. Setting up a GitHub Repository 3. Creating a Class diagram and design pattern selection	User Story Mapping 2 Setting up a GitHub Repository 3 Creating a Class diagram and design pattern selection

①	*Student paper*	100%

Student paper	Original source
Creating a Prototype User Interface and Usability Testing 5. Discuss the ethical issue related to the software 20	Creating a Prototype User Interface and Usability Testing 5 Discuss the ethical issue related to the software 20

②	*Student paper*	100%

Student paper	Original source
User Story Mapping	User Mapping Story

②	*Student paper*	68%

Student paper	Original source
· Value and benefits of this product:	Value and benefits

② *Student paper*	100%
Student paper	Original source
User Story Mapping:	User Mapping Story

③ *Student paper*	63%
Student paper	Original source
view students'	· Enrich students'

② *Student paper*	