SafeAssign Originality Report
SOFTWARE DESIGN • Creating a Prototype User Interface and Usability Testing (20%)

KO CHI LING -

Total Score: 🟠 Medium risk   25 %

Submission UUID: 4bdf6794-534e-881c-272e-5c0407ce5276

Total Number of Reports	Highest Match	Average Match	Submitted on	Average Word Count
2	46 %	25 %	11/18/22	1,511
	Ko Chi Ling Software Design Task 4.docx		08:43 PM GMT+8	Highest: Ko Chi Ling Task 4 Prototype.pdf

❌ Attachment 1   46 %

Word Count: 1,294
Ko Chi Ling Software Design Task 4.docx

Institutional database (4)   46 %

- ② Student paper
- ① Student paper
- ③ Student paper
- ④ Student paper

Top sources (3)

- ② Student paper
- ① 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

② Coursework cover sheet

① Section A - To be completed by the student Full Name: Ko Chi Ling

② CU Student ID Number: 13446950

② INTI Student ID Number: P21013435

Semester:1

Session: August 2022

Lecturer: ② Nadhrah Abdul Hadi (nadhrah.abdulhadi@newinti.edu.my)

Module Code and Title: 4067CEM Software Design

Assignment No. / Title: ② Continuous Assessment % of Module Mark: 50

② Hand out Date: 6th September 2022 Due Date: Task 1: ② 30 September 2022, by 11.59pm. Task 2: ② 18 November 2022, by 11.59pm

Task 3: ② 4 November 2022, by 11.59pm. Task 4: ② 4 November 2022, by 11.59pm. Task 5: ② 4 November 2022, by 11.59pm.

Penalties: ② No late work will be accepted. ① If you are unable to submit coursework on time due to extenuating circumstances, you may be eligible for an extension. ② Please consult the lecturer.

Declaration: ② 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 check-ing.

Signature(s): _____

① Section B - To be completed by the module leader Intended learning outcomes assessed by this work: 1. ② Understand and apply appropriate concepts,

tools and techniques to each stage of the software development

2. (2)   Understand and apply design patterns to software components in developing new software

3. (2)   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.

(2)   Marking scheme Max Mark

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

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

10

30

20

20

Total 100

Task 4

(1)   Usability Testing Question

Overall Prototype: 1. What is your rating for the buddy system prototype user interface? 2. Does this buddy system prototype is easy to be used? 3. What do you think about the design for this prototype? 4. Would you use this buddy system app frequently? 5. Do you need a technical support while using this app? 6. Do you think you need to learn a lot before you using this buddy system app? 7. How would you describe your overall experience with this interface design? 8. What features in the buddy system app do you find most valuable and why? 9. What feature do you want to add in to this buddy system interface design? 10. What features do you think need to be improved in this prototype?

My Buddy: 1. What is your rating for the My Buddy prototype user interface? 2. Does this My Buddy prototype is easy to be used? 3. What features in the My Buddy do you find most valuable and why? 4. What feature do you want to add in to this My Buddy interface design? 5. What features do you think need to be improved in this prototype?

Study Forum: 1. What is your rating for the study forum prototype user interface? 2. Does this study forum prototype is easy to be used? 3. What features in the study forum do you find most valuable and why? 4. What feature do you want to add in to this study forum interface design? 5. What features do you think need to be improved in this prototype?

(4)   Two main functions in the buddy system app

My Buddy:

My Buddy Buddy Request Find Buddy

Chat function Video Call Voice Call

Figure 1: Feature Inside My Buddy

My Buddy is the main function of this app. My Buddy is chosen as a main function because the main objective of this buddy system has been made is to let the student to make friend that can exchange the studies tips and improve on the academics. This My Buddy function can let the user to find the buddies that suits them in the My Buddy function. The user can also chat with the buddies to discuss the homework. The user can also video call or voice call the buddies to have better discussion on the academic.

My Buddy supports the function that is find buddy by searching keyword or applying filter. The user could see the list of the searched buddies. The user can add message to the buddies before send the request is send to the buddies. Then, the user must wait the buddy to accept the request, so that they are buddies. The user could also accept the buddy request when someone send request to the user. The user can also delete the request if the user do not want to add the buddy as friends. The user could also view the buddies list below the buddy request. The user can contact the buddies by message them, voice call them or video call them. The user can send voice message and also typing message.

The user could share image, video and file for the buddies. The user could call their buddies by using voice call. The user can also change the voice call to video call by clicking the camera icons. The user could mute when the call is ongoing. The user can end the call by clicking the end call button. The user could also unfriend the buddy by sending request to the buddy and wait for the buddy to approve. After the unfriend buddy request is approved by the buddy, the buddy list will remove the buddy. If the user would like to add back the buddy, the user would need to send request again. The user can see the buddy's profile by clicking the buddy's username.

Study Forum:

Study Forum Comment Create Post

Figure 2: Features Inside Study Forum

Study Forum is also the main function in this app. Study forum is a place that could share the post to all the buddies in the buddy system app. The user could share the problems that are facing in the studies and let others to give some advice or help to solve the problems. Other users in study forum can view and comment on the post to help the user to solve the problems that faced on the academics. Study forum has been chosen as a main function in this buddy sys-

tem app is because study forum can let the user to share the tips on studies to others. The users can save the post that other buddies share to improve the academic result.

The user can like the post. The user could comment the post. The user could also save the post that the user is interested in. The user could also publish their own post by clicking the share new post. Then, the user will come to create post page. The user could add image, add video, add file and write caption for the post. The user could discard the post if the user does not want to share the post. The user could also click share now button if they done editing the post. The user could also view others buddy profile by clicking the username of the post.

User Test Link: https://balsamiq.cloud/ssvdiho/pxnwvy1/r2278?f=N4lgUiBcAMA0IDkpxAYWfAMhkAhHAsjgFo4DSUA2gLoC%2BQA%3D

Reviews Link: https://balsamiq.cloud/ssvdiho/pxnwvy1/r2278?f=N4lgUiBcCMA0IDkpxAYWfAMhkAhHAsjgFo4DSUA2gLoC%2BQA%3D

Source Matches (29)

① 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	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

② Student paper	100%

Student paper	Original source
Coursework cover sheet	Coursework cover sheet

① 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

② Student paper	100%

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

② Student paper	69%

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

② 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

② Student paper	100%

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

② Student paper	100%

Student paper	Original source
Hand out Date: 6th September 2022 Due Date:	Hand out Date 6th September 2022 Due Date

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Student paper	Original source
30 September 2022, by 11.59pm.	30 September 2022, by 11.59pm

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Student paper	Original source
4 November 2022, by 11.59pm.	4 November 2022, by 11.59pm

② Student paper	100%

Student paper	Original source
No late work will be accepted.	No late work will be accepted

① Student paper	100%

Student paper	Original source
If you are unable to submit coursework on time due to extenuating circumstances, you may be eligible for an extension.	If you are unable to submit coursework on time due to extenuating circumstances, you may be eligible for an extension

② Student paper	100%

Student paper	Original source
Please consult the lecturer.	Please consult the lecturer

② 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 proce-dures. 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 proce-dures 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 as-sessed by this work:	Section B - To be completed by the module leader Intended learning outcomes as-sessed by this work

| ② | *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

| ② | *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

| ② | *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.	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

| ② | *Student paper* | 100% |

Student paper	Original source
Marking scheme Max Mark	Marking scheme Max Mark

| ③ | *Student paper* | 100% |

Student paper	Original source
User Story Mapping 2. Setting up a GitHub Repository 3.	User Story Mapping 2 Setting up a GitHub Repository 3

| ① | *Student paper* | 100% |

Student paper	Original source
Creating a Class diagram and design pattern selection	Creating a Class diagram and design pattern selection

| ③ | *Student paper* | 100% |

Student paper	Original source
Creating a Prototype User Interface and Usability Testing 5.	Creating a Prototype User Interface and Usability Testing 5

| ① | *Student paper* | 100% |

Student paper	Original source
Discuss the ethical issue related to the software 20	Discuss the ethical issue related to the software 20

①	*Student paper*	67%
Student paper		Original source
Usability Testing Question		Usability Testing Questions

④	*Student paper*	74%
Student paper		Original source
Two main functions in the buddy system app		Main Functions of Buddy System

✔ Attachment 2   3 %

Word Count: 1,727
Ko Chi Ling Task 4 Prototype.pdf

Global database (2)   2 %

③ *Student paper*   ④ *Student paper*

Internet (3)   1 %

⑤ *ohv*   ① *litcharts*   ② *lysator*

Top sources (3)

③ *Student paper*   ④ *Student paper*   ⑤ *ohv*

Excluded sources (0)

16:56

Login

Password

① Create an Account? Sign Up Here

Username

Buddy System

Forget Password? click here

2022 BUDDY SYSTEM

Login Page

16:56

Welcome to Buddy System..

Username

Email

Password

Create Now!!!

Buddy System

I agree with the Terms and Condition & Data Privacy Policy.

Create Account

16:56

Welcome to Buddy System..

Username

Email

Password

Create Now!!!

Buddy System

I agree with the Terms and Condition & Data Privacy Policy.

Create Account copy

16:56

Terms & Conditions

② Data Privacy Policy

Terms and Condition & Data Privacy Policy.

16:56

Hi XXX , To let your buddies knows more about you…. Please try to fill in the information below

Thank you :)

Name

Age

Gender Female Male

English

Chinese

Malay

Japanese

Korean

Others: _____

Language Spoken

Hobby

Things Interested in

Personalities

Next

Course Studied

Create Now!!!

16:56

Home Page

Study Forum

Setting

MyBuddy

Log out

Notification

One message from buddy1 click

Welcome back, Charlotte

My Profile

Home Page

16:56

Home StudyForum

Study Forum

xxxx

Like

Tips to make a good notes!!!

Share New Post Help

Log out

Comment Save

xxxx

Study Forum...

16:56

Home StudyForum

Study Forum

Share New Post Help

Log out

You

Like

How to do this?? #python

Comment

You

Save

Study Forum copy...

16:56

Home StudyForum

Study Forum

Share New Post Help

Log out

You

Like

How to do this?? #python

Comment

Comment:

XXXX

Q W E R T Y U I O P

A S D F G H J K L

Z X C V B N M

123 space return

Type your comment here....

XXXX

Comment...

16:56

Home StudyForum

Study Forum

Share New Post Help

Log out

You

Like

How to do this?? #python

Comment

Comment:

XXXX

Q W E R T Y U I O P

A S D F G H J K L

Z X C V B N M

123 space return

Type your comment here....

XXXX

You

Send comment

16:56

Type Something....

Upload File Add Image Add Video

Share Now

Create Post

style

Q W E R T Y U I O P

A S D F G H J K L

Z X C V B N M

123 space return

Create Post

16:56

Q W E R T Y U I O P

A S D F G H J K L

Z X C V B N M

123 space return

Type Something....

Upload File Add Image Add Video

Share Now

Create Post

style

Alert

Are you sure you want to discard this post?

No Yes

Create post 2

16:56

Home Setting

Help Notification Setting Change Password

Log out

Setting

16:56

Home Setting Help

Help

XXXX XXXX XXXXXXX

How to Change Password

How to Change Personal Information

How to Log Out

If you have other question... Please Contact...

Email: xxxxxxxxxx@newinti.edu.my

Contact Number: 012-XXXXXXXX

Common Question

Log out

Notification Setting

Change Password

Help

16:56

Home Setting Notification Setting

Help

Notification Setting

Log out

Message from Buddy

Video Call Notification

Study Forum Notification

Buddy Request

Change Password

Notification Setting

16:56

Home Setting Notification Setting

Help

Notification Setting

Log out

Message from Buddy

Video Call Notification

Study Forum Notification

Buddy Request

Change Password

Message from Buddy , ON

16:56

Home Setting Edit Log out

Help Notification Setting Change Password

Please Enter Your Current Password:

Enter

Please Enter Your Email:

A verification code will be sent to the email you provided.

Change Password

16:56

Home Setting Edit

Change Password

Log out

Enter your new password:

Comfirm Your Password:

Save Changes

Enter the verification code:

Didn't receive? Resend

Edit 2

16:56

Home Setting Edit

Change Password

Log out

Enter your new password:

Comfirm Your Password:

Save Changes

Settings

Password Changed

Sucessfully

Ok

Save Changes

16:56

Home MyBuddy

search

Buddy 1

XXXX

Find Buddy

Buddy Request

Chat Now Video Call Voice Call

Log out

Buddy List

XXXX

2

MyBuddy

16:56

Home My Buddy Buddy Request

Buddy Request

Name: XXXXXX

Request Message:

Accept Delete

Name: XXXX

Request Message:

Accept Delete

Log out

Buddy Request

16:56

Home My Buddy Buddy Request

Buddy Request

Name: XXXX

Request Message:

Accept Delete

Log out

Delete

16:56

Home My Buddy Buddy Request

No Buddy Request….

Buddy Request

Back To My Buddy

Log out

Delete 2

16:56

Home MyBuddy

search

Buddy 1

Buddy 2

Chat Now Video Call Voice Call

XXXX

Find Buddy

Buddy Request

XXXXXX

Chat Now Video Call Voice Call

Log out

XXXX

Buddy List

My Buddy (Accept)

16:56

Home My Buddy View Profile Log out

XXXX

Buddies

Post

Like

Buddy Profile

16:56

Home MyBuddy Find Buddy

search

Find Buddy

Q W E R T Y U I O P

A S D F G H J K L

Z X C V B N M

123 space return

Log out

search

16:56

XXXXXXXX

Personal Information

Search Results:

Send Request

Home MyBuddy Find Buddy Search Result

search

Find Buddy

search copy

16:56

XXXXXXXX

Personal Information

Search Results:

Send Request

Home MyBuddy Find Buddy Search Result

search

Find Buddy

Send Request Send Request

Message For Requested Buddy:

Send Request

Send Request

16:56

XXXXXXXX

Personal Information

Search Results:

Home MyBuddy Find Buddy Search Result

search

Find Buddy

The Request Has Been Sent To Your Buddy Thank You!

Ok

③ Send Request 2

16:56

Home MyBuddy Find Buddy

search

Find Buddy

Q W E R T Y U I O P

A S D F G H J K L

Z X C V B N M

123 space return

Log out

Search Filter

Age: ___ Gender

Female Male

Hobby: _____

Personalities: _____

Course Studied: _____

Things Interesed :_____

Reset Apply

Apply Filter

16:56

Home MyBuddy Buddy 1

XXXX

Video Call Voice Call

Message

Q W E R T Y U I O P

A S D F G H J K L

Z X C V B N M

123 space return

Log out

Chat Now

16:56

Home MyBuddy Buddy 2

XXXXXX

Video Call Voice Call

Message

Q W E R T Y U I O P

A S D F G H J K L

Z X C V B N M

123 space return

Log out

Chat Now copy

16:56

XXXX

1:10

Video Call

16:56

XXXXXX

1:10

Video Call copy

16:56

XXXX

Voice Call

1:10

Speaker Video Call Mute

Voice Call

16:56

XXXXXX

Voice Call

1:10

Speaker Video Call Mute

Voice Call copy

16:56

Home MyBuddy

search

Buddy 1

Buddy 2

Chat Now Video Call Voice Call

XXXX

Find Buddy

Buddy Request

XXXXXX

Chat Now Video Call Voice Call

Log out

Unfriend

Help

Buddy List

Change Buddy

16:56

Home MyBuddy Unfriend Buddy

Buddy 2

XXXXXX

Alert

Are you sure you want to unfriend with your buddy

If you change your mind, you'll have to request again

Notification will be send to your buddy

Cancel Yes Unfriend

Unfriend

16:56

Home MyBuddy Unfriend Buddy

Buddy 2

XXXXXX

Alert

Are you sure you want to unfriend with your buddy

If you change your mind, you'll have to request again

Notification will be send to your buddy

Cancel Yes Unfriend

Please write reason why you want to unfriend with your buddy and wait for

your buddy approved.

send

Yes Unfriend

16:56

Home My Buddy Unfriend Buddy Request

Unfriend Buddy Request

Name: XXXXXX

Request Message:

Approved Delete

Buddy's Phone will appear this if you unfriend a buddy

Buddy's Approved Unfriend

16:56

Home My Profile Log out

Charlotte

Buddies Edit Personal Info Setting

Saved Post My Post

Like 3 Like 2

My Profile

16:56

Home My Profile Log out

Charlotte

Buddies Edit Personal Info Setting

Saved Post My Post

Delete Post Like 3

Delete 1

16:56

Home My Profile Log out

Charlotte

Buddies Edit Personal Info Setting

Saved Post My Post

Delete Post

Alert

(4) Are you sure you want to

delete this post??

No Yes

Like 3

Delete Post

16:56

Home My Profile Log out

Charlotte

Buddies Edit Personal Info Setting

Saved Post My Post

Like 3

Yes to delete post

16:56

Home My Profile Log out

Charlotte

Buddies Edit Personal Info Setting

My Post Saved Post

Saved Saved

Saved Post

16:56

Home My Profile Log out

Charlotte

Buddies Edit Personal Info Setting

My Post Saved Post

Saved

Unsaved post

16:56

Home My Profile Edit Info

Name:

Age:

Gender:

Language Spoken:

Hobby:

Things Interested in:

Personalities:

Edit

Course Studied:

Biodata:

Change Profile Picture

Edit Personal Info

16:56

Home My Profile Edit Info

Edit Personal Information

Name

Age

Gender Female Male

English

Chinese

Malay

Japanese

Korean

Others: _____

Language Spoken

Hobby

Things Interested in

Personalities

Save Changes

Course Studied

select from gallery

Biodata

Edit

16:56

Log out

XXXX

③ Buddies Send Request

Post

Like

Back

View Buddy Profile

16:56

Log out

XXXX

③ Buddies Send Request

My Post

Like

Message for Buddy:

Send

Back

Send Request

16:56

Log out

XXXX

③ Buddies Send Request

My Post

Like

Message for Buddy:

Send The Request Has Been Sent To Your Buddy Thank You!

Ok

Back

Ok

16:56

Log out

XXXX

Buddies Requested

Post

Like

Back

Send

16:56

Forget Password... Please enter your username:

Please enter your email:

Reset Password... New Password:

Comfirm Password:

Enter

Forget Password

16:56

Forget Password...

Please enter the verification code that sent to your email:

Please enter your email to receive the verification code:

Send Code

Forget Password copy

16:56

Forget Password...

Please enter the verification code that sent to your email:

Please enter your email to receive the verification code:

Send Code

Verification code sent!!!! ⑤   59s Didn't receive? Resend

Enter

Send Code

Login Page Create Account Create Account copy Terms and Condition & Data Privacy Policy. Create Now!!! Home Page Study Forum Study Forum copy Comment Send comment Create Post Create post 2 Setting Help Notification Setting Message from Buddy , ON Change Password Edit 2 Save Changes MyBuddy Buddy Request Delete Delete 2 My Buddy (Accept) Buddy Profile search search copy Send Request Send Request 2 Apply Filter Chat Now Chat Now copy Video Call Video Call copy Voice Call Voice Call copy Change Buddy Unfriend Yes Unfriend Buddy's Approved Unfriend My Profile Delete 1 Delete Post Yes to delete post Saved Post Unsaved post Edit Personal Info Edit View Buddy Profile Send Request Ok Send Forget Password Forget Password copy Send Code

Source Matches (8)

| 1 | litcharts | 62% |

Student paper	Original source
Create an Account?	Sign in Create Account

| 2 | lysator | 75% |

Student paper	Original source
Data Privacy Policy	Privacy and Policy

| 3 | Student paper | 64% |

Student paper	Original source
Send Request 2	request.send(data)

| 4 | Student paper | 68% |

Student paper	Original source
Are you sure you want to	cancelMessage = "Are you sure you want to leave

| 3 | Student paper | 64% |

Student paper	Original source
Buddies Send Request	request.send(data)

| 3 | Student paper | 64% |

Student paper	Original source
Buddies Send Request	request.send(data)

| 3 | Student paper | 64% |

Student paper	Original source
Buddies Send Request	request.send(data)

| 5 | ohv | 63% |

Student paper	Original source
59s Didn't receive?	Didn't receive the code