Xi'an Jiaotong-Liverpool University
西交利物浦大學

002 Portfolio (Group Work) & 003 Report (Individual Work)

Module Name:	CPT208 Human-Centric Computing	
Module Leader:	Dr Yue Li and Dr Teng Ma	
Deliverables and Due Dates:	Group Portfolio	**Every seminar**
	Group Proposal	**5:00 p.m. Thursday 14 March, Week 3**
	Group Presentation	**9:00 a.m. Thursday 4 April, Week 6**
	Individual Report	**9:00 a.m. Thursday 25 April, Week 9**
	Group Poster	**9:00 a.m. Thursday 9 May, Week 11**
	Individual Interview	**11:00 a.m. Thursday, 9 May, Week 11**
	Group Peer Assessment	**9:00 a.m. Thursday 16 May, Week 12**
Marks:	15% + 15% of the module mark	

Learning Outcomes Addressed

A. Recognize the issues involved in designing computer systems for people including an understanding of the relevant legal, social, ethical and professional issues.

B. Demonstrate an understanding of the basic formal methods and techniques for interaction design.

C. Develop technical skills required for the implementation of interactive systems.

D. Critically evaluate interactive systems.

E. Demonstrate an understanding of the methods and issues involved in deploying interactive systems to meet business goals.

Submission Format

- **Only one submission** is needed from each group for group work.
- Individual submissions should be made for individual work.
- Naming formats and examples:
    - CPT208_GroupA1_Portfolio_Proposal.pdf
    - CPT208_GroupA1_Portfolio_Presentation.pdf
    - CPT208_GroupA1_Portfolio_Poster.pdf
    - CPT208_GroupA1_StudentID_Report.pdf

Task Descriptions

You will prepare and present your group project **as a group of five**. The grouping will open during the seminar in **Week 1**. If you have not registered for a group until the seminar of **Week 2**, you will be allocated to a group.

Once you have registered for a group and topic, the change of groups or topics is **NOT ALLOWED**. Please be careful with your selection and take responsibility for your group work.

You should research extensively (from both academic literatures and commercial products) on the given topic and consider the following:

1. Who are the stakeholders / users of the system?
2. What does the system allow users to do?
3. Are there any issues with the existing system(s)?
4. Are there any user requirements that are not supported with the existing system(s)?
5. What are the design alternatives to solve the existing issues / fulfill user requirements?
6. How can you make prototypes of the design alternatives?
7. How can you evaluate your design?
8. What are the implications of your design?

Throughout the semester, your will incrementally build up a portfolio that records your design process. A mid-term group presentation, an individual written report, and a group poster presentation should be delivered on **Week 6, Week 9,** and **Week 11**.

In the **mid-term presentation**, you should present your portfolio and complete the following tasks:

1. Clearly state the project motivation, as well as aims and objectives
2. Clearly specify and study the target group of users
3. Research extensively and summarize the key issues on the existing works
4. Show some efforts in collecting design requirements
5. Propose effective and novel design solutions, use prototypes where possible

In the **report** and **poster presentation**, you should summarize and present your work, with a focus on the followings:

1. Demonstrate an iterative design, prototyping, and evaluation process
2. Explain the prototypes used in the design process, with comparisons of alternatives
3. Use appropriate methods to evaluate the design alternatives
4. Show a valid collection and analysis of data from the correct target user demographics with reasonable sample sizes
5. Demonstrate a good discussion on the evaluation results and design implications

Portfolio Marking Criteria

Marking criteria	Description	Marks
Group proposal (20 marks)	Propose a concrete project idea related to the given topic	10
	Demonstrate a reasonable project plan	10
Group presentation (30 marks)	**Task fulfilment** 1. Clearly state the project motivation, aims and objectives; 2. Clearly specify and study the target group of users; 3. Research extensively and summarize the key issues on the existing works; 4. Show some efforts in collecting design requirements; 5. Propose effective and novel design solutions, use prototypes where possible.	10
	Presentation clarity and organization 1. Clear argument with relevant points; 2. Well-paced and easy to follow; 3. Clear and readable slides with suitable visual aids.	10
	Answers to questions 1. Prepared for questions; 2. Thoughtful and responsive; 3. Handled questions knowledgeably.	5
	Full attendance of the group	5
Group poster (30 marks)	**Task fulfilment** 1. Demonstrate an iterative design, prototyping, and evaluation process; 2. Explain the prototypes used in the design process, with comparisons of alternatives; 3. Use appropriate methods to evaluate the design alternatives; 4. Show a valid collection and analysis of data from the correct target user demographics with reasonable sample sizes; 5. Demonstrate a good discussion on the evaluation results and design implications.	15
	Poster clarity and Q&A 1. Reasonable organization and appropriate number of details included in the poster; 2. Clear and readable, visually appealing; 3. Handled questions knowledgeably; 4. Full attendance of the group.	15
Peer assessment (20 marks)	His/her attendances in the lectures and group meetings are outstanding. His/her contribution to this group project is outstanding. He/she works closely and maintains an outstanding relationship with all group members. He/she expresses continual *disapproval* about group arrangements. He/she does an outstanding job in working on his/her own problems. He/she does an outstanding job in working with others' problems.	20

Report Marking Criteria

Marking criteria	Description	Marks
Individual report (50 marks)	**Task fulfilment** 1. Demonstrate an iterative design, prototyping, and evaluation process; 2. Explain the prototypes used in the design process, with comparisons of alternatives; 3. Use appropriate methods to evaluate the design alternatives; 4. Show a valid collection and analysis of data from the correct target user demographics with reasonable sample sizes; 5. Demonstrate a good discussion on the evaluation results and design implications.	25
	Writing clarity and organization 1. Clear, comprehensible and well-written report. No apparent spelling or grammar errors; 2. Diagrams, figures and tables are clear and appropriately positioned in the report; 3. All sources are cited properly.	25
Individual interview (50 marks)	Show a comprehensive understanding of the group project	20
	Able to clearly demonstrate individual contributions	15
	Demonstrate critical reflections of the group project	15

University Policy on Late Submissions

If you submit coursework after the deadline, you will be penalized:

- **5%** of the total marks available for the assessment will be deducted from the assessment mark for **each working day** after the submission deadline, up to a maximum of 25%;
- Coursework received **more than five working days** after the submission deadline will receive a mark of **zero**.

University Policy on Academic Integrity

The University aims to foster a learning environment which produces students who embrace academic integrity, understand that they must produce their own work, are able to acknowledge explicitly any material that has been included from other sources or legitimate collaboration, and to present their own findings, conclusions or data based on appropriate and ethical practice.

The University will support you to understand the standards of academic integrity, while you are responsible for learning and upholding professional standards of research, writing, assessment, and ethics in your area of study. Violation of academic integrity comes in many forms, including but not limited to the following:

- improper citation or referencing;
- unauthorised collaboration with another person in the preparation and production of a submitted work;
- copying directly from other persons without their knowledge as your own work;
- submitting all or part of the same academic work for two or more modules without permission;
- consciously representing another's work or concept as your own without proper acknowledgment and citation of the sources;
- altering data obtained by legitimate means or making up a portion or whole set of data and reporting them in your own assignment;
- requesting another party to prepare all or part of an assignment (with or without payment) on your behalf.

Any violation of academic integrity is a serious offence and is therefore subject to an appropriate penalty. According to the individual case and the seriousness of the offence, penalties applied will vary and may include one or a combination of the following:

- a written warning;
- a mark penalty or a zero mark for the assessment;
- a zero mark for the module;
- a note on student's records;
- suspension of studies;
- termination of studies.

In addition to the respective penalty imposed, you may also be given feedback on how to avoid further offence in future work.