INFO2110 Analysis & Design of Web Information Systems

Semester 1, 2018

Assignment 1, 2018 (10%)

1. Project Overview

Your group (composed of 4-5 members from the same tutorial session) is going to study, research, design, and analyse a project of your choice. Try to organise your discussion or report by what have you learnt from the class or lecture.

2. Deliverables

A written system requirements document will be submitted electronically (doc or pdf format) through Learning Management System (https://canvas.sydney.edu.au).

Note: Official university academic honesty cover sheet must be signed by all members and attached to the electronic document

3. Report Requirement

For the assignment 1, prepare a proposal report that includes (but not limited) the following parts:

1. Introduction, Background, and Motivation

   A general introduction to the project of your group working on (e.g. what it is, how it works, products/services available in the market, why the project is important, and so forth).

2. Project Details

   a. Project Needs and Significant

   b. Project Objectives

   c. Project Scope

   d. Expected Benefit and Outcome

3. Related Literature

Conduct a systematic review of the existing systems, what has been done, and what is the gap that your project can contribute.

4. System Requirements

   a. Functional requirements

   b. Non-functional requirements

Refer to week two lecture material to write Non-functional and Functional Requirements as many as you can think to carry on the project within project duration

5. Project plan

You are free to use any project management tools such MS Project or any other tool to design a draft plan for the work. You should include all milestone, timelines and schedule plan.

6. Reference

7. Appendix (*if any*)

4. Teamwork

Teamwork is very important for this project. Please meet regularly with all your team members and ensure that everyone contributes towards the report (proposal and final report) and the presentation. Please discuss with your tutor and/or lecturer if your team is facing any problems. There might be a peer review at the end of the semester to gauge your contribution to your respective teams. Despite good intentions and effort, it happens that some team members fail to take their role within the team seriously. If your team is experiencing such challenges, please follow this procedure:

1. Active members should make a significant effort to contact the slacking member(s) by all means; for example, e-mail, phone, locate him/her at lectures etc.

2. Maintain a paper trail of interactions between the team members and the slacking member (e.g., keep a proper log of communications and events), in order to substantiate the claim of "significant effort" mentioned in paragraph (a) above.

3. Contact the tutor and/or lecturer to report and discuss the team's problems in a meeting. You should do this early and not wait until the last minute. Bring all supporting evidence to the meeting. The lecturer will investigate the problem and take

appropriate action. Please note that the lecturer will not mediate in all other cases (e.g., social incompatibility, skills mismatch, etc.).

5. Reference

1. Please cite all references at the end of your paper (both proposal and final report). You should include references to facts, figures and any other information that you obtained from various sources. References from relevant papers in the University Digital Library are preferred over Internet sources as Internet sources may not always be reliable.

2. Whenever you quote, paraphrase, summarise or refer to ideas, facts, figures or findings from another source (e.g. research paper, book, website), you should cite the source, with appropriate formatting, in the sentence that mentions these ideas or figures. It is not sufficient to just provide a list of references at the end of your paper. The source that you use should be cited in the text of your paper, either in parentheses or as part of the text itself. We suggest the use of APA style for referencing.

3. You are reminded that the University takes plagiarism infringements seriously. If the sources are not cited correctly, it may be deemed as plagiarism. Please note that your submission will be forwarded to an automated plagiarism checking system.

6. Topics

These are a few examples of topics. You are free to identify any other interesting topics. It is also possible to have overlaps between different topics.

- Car Pooling/Sharing Business, e.g., Uber, Grabcar, Didi Chuxing, flightcar
- Accommodation Sharing Business, e.g., Airb&b.
- Bike Sharing Business, e.g., Mobike, ofo, Nextbike, Cyclehop
- Office Sharing Business, e.g., Sharedesk
- Food delivery, e.g., Deliveroo, Ubereats, foodora.
- Messenger services e.g., FB messenger, WhatsApp, Line messenger, WeChat, etc.

A sample case related to the messenger services

The University Student Communication Society (USCS) finds out from a recent survey that students in the university rely heavily upon various existing social media applications such as Line and Wechat to communicate among themselves. Communication between students who use different social media applications is difficult since either of the students is required to switch to a new social media application for compatibility. The president of USCS believes that having a universal platform for communication (**UniChat**) among students will bring significant benefits via eliminating the need for adapting to multiple applications. Also, he believes that the new platform can also enable higher efficiency in organising social events.

7. Grading Criteria

Note: for details please see **section 3.**

Description	Marks allocated
Introduction and background	/10
Project details	
Project needs and significant	/5
Project objectives	/5
Project scope	/15
Expected benefit and outcome	/5
Related literature *(e.g. existing systems, gaps, etc)*	/15
System requirements	/25
Project plan *(e.g. Gantt chart, milestones, etc)*	/10
Report presentation *(e.g. writing style, reference, length, etc)*	/10
Total	**100 (10%)**