

Week 2 Lab - Workbook

Institution: [Platform](#)
Site: HCSI826/CSIT226/CSIT826 (S220) Human Computer
Interaction
Book: Week 2 Lab - Workbook

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Description

The following workbook contains the activities for the week 2 computer lab.

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1. Class Introduction and Lab Attendance

Spring 2020 - Tutor

Dr Pairat Thorncharoensri: https://scholars.uow.edu.au/display/pairat_thorncharoensri

Pairat will introduce himself to the class. In 2018, Pairat was the coordinator of CSIT226/826 as UOW (SWS).

Lab Attendance

In 2020 we will not be directly recording lab attendance. However, during the labs there will be time during some of the weeks where students can work together on their group projects. Please use this time wisely and productively.

During the labs, your tutor will be available to address and individual questions and questions about the project work.

To get the most out of CSIT226/826 involvement in the labs is highly encouraged.

2. Small Group Breakout Rooms

The initial activity in CSIT226/826 will involve you being randomly allocated to a breakout room in Moodle. This is designed to allow for a short student Introduction and to start to get you to know some students in your labs.

You are to introduce yourself to your breakout room (Name, Degree, something interesting about you, etc.)

Then have a short discussion on the technology that you believe is the most or least usable and **why** this is the case.

Re-join as a full lab class and choose someone from each group to highlight the technologies that were discussed.

3. Review Subject Outline and Assessments

All documents are available on Moodle.

Your tutor will go through each of these documents and make sure that all students understand the requirements for CSIT226/826.

4. Individual Activity

You are to define the following key terms from week 1:

- Human-computer interaction
- Usability
- User Experience (UX)
- Human-centered design
- Design Thinking
- Interaction Design

5. Individual Questions

Answer the following questions and post them to your lab discussion forum:

1. Why is it important when understanding the concept of usability to know the potential user groups, their goals and the context in which the system will be used? Provide an example of a product/system where this is the case.
2. Why should multi-disciplinary teams be used when designing systems? Provide examples of the different backgrounds that could make up a team and explain why they could be needed.
3. What is involved in the process of interaction design?
4. What are usability goals (according to the textbook)? Choose a system and comment on how they are addressed or if there are issues with the system.

6. Basic System Evaluation – Web Browsers

You are to open two (2) browsers on your computer (e.g. Firefox, Chrome, IE) with the UOW website. Individually evaluate the **browsers** against Shneiderman's "Eight Golden Rules of Interface Design"

- *Strive for consistency*
- *Enable frequent users to use shortcuts*
- *Offer informative feedback*
- *Design dialog to yield closure*
- *Offer simple error handling*
- *Permit easy reversal of actions*
- *Support internal locus of control*
- *Reduce short-term memory load*

See: <https://www.cs.umd.edu/users/ben/goldenrules.html>

Why is it difficult to evaluate a web browser against these?

7. Software used in CSIT226/826

You have a choice of the software that you can use for CSIT226/826 in 2020.

The options include:

- Axure RP9 (<https://www.axure.com/edu>)
- Adobe XD (<https://www.adobe.com/au/products/xd.html>)
- Figma (<https://help.figma.com/hc/en-us/articles/360039829674-Apply-for-a-free-Education-team>)

Each of these programs is available for free as a student. Individually conduct a review of the applications. Discuss which application looks to most usable to you and why.

When carrying out this process read the following articles:

- <https://www.smashingmagazine.com/2019/04/sketch-figma-adobe-xd-ui-design-applications/>
- <https://uxdesign.cc/figma-vs-adobe-xd-d3a624cb7885>
- <https://uxdesign.cc/the-logical-choice-for-dynamic-and-complex-prototypes-3e669a21eef4>

Note that you can change the preference and can start by using a few of the applications and then make your decision.