

ASSIGNMENT 2 [50%]

Maker Project Artefact, Expo & Process

Purpose

The purpose of this assignment is to mark the learning process that students undertake during the unit while providing maximum flexibility and giving students a choice of areas of interest.

Completion of this assignment demonstrates understanding of the learning outcomes:

- Undertake an iterative prototyping process to create a viable solution for a user and be able to demonstrate and communicate the reasons for decisions in the creation of a working prototype
- Be able to articulate how emerging technologies are used in different contexts including social good, HCI, creativity, and ethics

Task

Students are required to create an artefact to demonstrate their learning from the unit. Students can select their project; however, they will need to negotiate its suitability with the staff during class before starting the project. Students need to think about what technology they would like to use and what context they want to create their artefact for, before starting the project. Students can elect to work individually or as a group depending on the project and preference.

By the end of Week 8, demonstrators must receive information on your project, including group members (or individuals) and the broad technology area. This will be done by filling out a Google form found in an announcement on the forums.

Failure to do so may result in a penalty to your marks

Context for the Artefact:

Before commencing the development of the artefact, students should be able to clearly articulate the context and purpose of their artefact. This should include:

- What is being created?
- For whom?
- Why is it needed?
- How are you going to create it?
- With what technology?

Technology:

Students can negotiate to use any technologies that they want for their project. Students may need to purchase any equipment that they require.

Individual or Group:

Students can choose to undertake the project as an individual or as a group. The scale of the project will be adjusted to suit the number of members in the group.

When creating teams consider forming them based on the following:

- Complimentary skills – creative and technical
- Similar values (expected grade, attendance, and timeline)
- Context addressed – interest or personal
- Cost sharing for equipment

Deliverables

For this assignment, there are three assessed deliverables throughout the semester. These are:

1. Expo and Showreel Video – 20 Marks (Graded by a member of staff who is not their homeroom mentor)

Students will bring their completed project to class and present it to a tutor and other students during the class. Students will pitch their completed projects to a member of staff during class (not their homeroom tutor) and demonstrate their working projects. Students will need to be able to answer questions. Students will also need to submit a showreel video as described below. Failure to attend the expo and present will result in a grade of zero for this section.

Students need to create and submit a 3-4 minute video documenting their final product and answer questions. The video should be showcased during the expo and submitted to Moodle for staff to assess. The video should include the following:

- The video should showcase the artefact including
 - What it is
 - Who is it created for
 - Why is it needed
 - How it is used/benefits/features
- A demonstration of the artefact fully working

2. Pitching to Staff and Process Video – 20 Marks (Graded by their homeroom mentor)

This mark will be a combination of the pitching of ideas to staff during class each week (Weeks 7-11) to demonstrate the ideation process undertaken to complete the project and a final process video. Students are expected to check in with their homeroom mentor each week to update them on the making process as this will be assessed. Students are also expected to create a 3-5 minute video documenting their final

artefact and the processes undertaken to create it. The video should include the following:

- What technology was used to create it
- What processes were undertaken to achieve the result
- What things worked
- What things didn't

3. Mark your own assignment - 10 Marks (Graded by the student)

Along with the two video submissions, you must submit a completed Google Form where you grade your assignment and complete a marking sheet.

The form will be provided and it will be almost identical to the marking sheet used by the teaching staff. The purpose of this task is to provide your own critical reflection on your work, and how much you have learned and provide feedback on areas where you could improve for next time.

The mark for this section will be assigned by you. However, the teaching staff reserves the right to moderate this grade if there is a significant discrepancy between the self-assigned mark and the teaching staff.

Assessment Extensions

For this assignment, extensions can only be granted for the process video. Any extension requests related to the expo are only under exceptional circumstances and require CE approval. Short extensions cannot be applied to the expo.

Marking Criteria

For this assignment the marking is broken down into three separate sections; the prototype process video and pitching, the Week 12 Expo, video and questions, as well as the Self Marking Document.

The Week 12 expo, video, and questions in addition to the Mark your own assignment will be broken down as follows:

- Ability to articulate a clear rationale for the artefact
- Presentation of the finished activity in a way that highlights the thought and learning
- Demonstration of innovation in the activity
- Technology skills
- Creativity of the activity and aesthetics of the activity

The Prototype Process Video and pitching to staff will be broken down as follows:

- The thought and ideation process demonstrated in creating the activity
- Ability to articulate a clear pitch for the activity
- Demonstration of experimentation in the activity
- Weekly check-in and update of progress to their Homeroom Mentor

Submission Requirements

The expo video and prototype videos must be uploaded to either YouTube as unlisted videos or uploaded to Google Drive. The links for both videos must be submitted on Moodle as a text submission. It is the student's responsibility to ensure that both videos are correctly accessible by all demonstrators in the unit.

The Mark your own assignment must be completed as a Google Form to be provided in Week 12.

SUBMISSION DUE:

- ☐ **1. Week 12 Expo presentation and video:**
 - ☐ Expo Presentation: Week 12, During the students' allocated class
 - ☐ Showreel video: Week 12, During the students' allocated class
- ☐ **2. Pitching to Staff and Prototype Process Video:**
 - ☐ Pitching to staff: During the students' allocated classes each week
 - ☐ Prototype process video: Friday Week 12 midnight
- ☐ **3. Mark your own assignment:**
 - ☐ Form: Friday Week 12 midnight

Note: all students will submit 2 videos.