



COMP140: Individual Creative Computing Project

1: Module Induction





Module

Module Description

On this module, you will build upon the experience you gained in creative computing to realise a more substantial individual creative computing project. This will allow you to refine your approach to computer programming within the context of building object-orientated software. It will also entail developing your confidence with computing hardware (such as Arduino) as well as developing mastery with the use of notation associated with object-orientated architecture, such as unified modelling language (UML). In this project, you will not only bring different elements together, taking existing code and pseudocode from appropriate sources, but also start to arrange, synthesise, and extend code in order to build more functional, robust, and maintainable solutions. In tackling the architectural design and implementation of a creative computing system, you will also consider standards and regulations, and their relationship to topics such as privacy, data protection, accessibility, internationalisation, law, and ethics.





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- We expect for you to build something or embedded the controller into an item

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- The poster will summarise the key elements of the software and hardware of you game & controller

- ► Assignment 1
 - ▶ **Week 6** First Prototype of game and controller

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 - ▶ Week 9 Peer Review of game and controller

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- Assignment 2
 - ► Week 3 Project proposal

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 - Week 10 Report Peer Review
- ▶ Week 3 Project Proposal

Examples from Previous Session

- ▶ Pancake https://youtu.be/36qeLNNPf7M
- ► Games in a Controller https://youtu.be/Oqrn3164mBM
- ► Surgery https://youtu.be/LiTpkKHJizA
- ► Safe https://youtu.be/X4wB3AakSvA
- ► Tank https://youtu.be/AL3LrcRskig
- ► Skateboard https://youtu.be/Wj4EbOyUejE
- ► Snooker https://youtu.be/4XFZ4PMoPTE





Alt-Controller

Notable Alt-Controller Games

- ► Deep VR https://www.polygon.com/2015/3/2/8133675/deep-vr-meditation
- ► Space Box https://www.gamasutra.com/view/news/290700/
 ALTCTRLGDC_Showcase_Spacebox.php
- ► Line Wobbler http://wobblylabs.com/projects/wobbler
- ► Tie Your Laces https://twitter.com/ wethrowswitches/status/1181557419199094784

Notable Alt-Controller Games

- ► GDC Alt-Ctrl 2018 Roundup
 https://www.gamasutra.com/altctrlgdc2018
- ► Nintendo Labo https://www.nintendo.co.uk/ Nintendo-Labo/Nintendo-Labo-1328637.html
- ► Xbox Adaptive Controller https://www.microsoft.com/en-gb/p/
 xbox-adaptive-controller/8nsdbhz1n3d8





Exercises

▶ Review the Shake that Button Websitehttps://shakethatbutton.com/ & Past alt.ctrl.GDC entries

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- ► Keep this document, it will feed into your coursework!