

# WORKSHEET 4: INTERFACES AND INTERACTIONS - HEURISTIC EVALUATIONS

Version 1.0  
Computing  
COMP280

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## Introduction

To complete this worksheet, you are expected to rapid prototype a simple User Interface in Unreal Engine. Once complete, the interface will be subject to a heuristic evaluation by a peer. In return, you will evaluate someone else's interface design. To fulfil the requirements of this worksheet you are expected to submit evidence of the entire process in the form of one Unreal Engine project hosting the interface, screenshots of the interface, and the results from both heuristic evaluations in pdf format.

To complete this worksheet:

- (i) **Design** & implement a simple UI in Unreal Engine;
- (ii) **Designate** a peer to evaluate your user interface design;
- (iii) **Evaluate** the user interface design of a peer
- (iv) **Summarise** the improvements that could be made to your user interface design based on the results of the heuristic evaluation.

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*"No matter the language, learning to program will take a very long time, and is often very frustrating. I'm sorry. There is no solution. Just practice. Regular practice."*

— Ólafur Waage

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## Assignment Setup

Begin by **forking** the following Git repository:

<https://github.com/Falmouth-Games-Academy/comp280-worksheet-4>

Use this repo to track all files related to this worksheet. Once you have completed the worksheet, make a pull request to receive formative feedback.

## FAQ

### • What is the deadline for this assignment?

Each worksheet has its own formative deadline, specified on that worksheet and also communicated in class. Falmouth University policy states that summative deadlines must only be specified on the MyFalmouth system.

### • What should I do to seek help?

You can email your tutor for informal clarifications. For informal feedback, make a pull request on GitHub.

### • How will I receive feedback on my work?

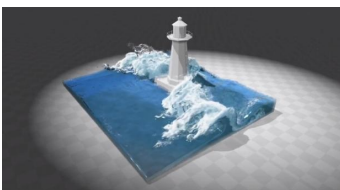
You will be given verbal feedback on your work during the session in which it is marked. If you require more in-depth feedback or discussion, please book an appointment with your tutor.

### • Is this a mistake?

If you have discovered an issue with the brief itself, the source files are available at:

<https://github.com/Falmouth-Games-Academy/bsc-assignment-briefs>.

Please make a pull request and comment accordingly.



SpaceChem is a puzzle game in which players must apply computational thinking to build circuits which assemble chemical molecules.

# Marking Rubric

Each individual worksheet is marked according to this rubric.

Criterion	Weight	Refer for Resubmission	Adequate	Competent	Very Good	Excellent	Outstanding
Design of user interface	30%	There is no functioning user interface	There is a basic user interface with limited functionality  Adequate ability to generate ideas, problem solving, concepts, technical competency and proposals in response to set briefs and/or self-initiated activity.	There is a basic user interface with some functionality  Adequate ability to generate ideas, problem solving, concepts, technical competency and proposals in response to set briefs and/or self-initiated activity.	There is a user interface with good functionality  Adequate ability to generate ideas, problem solving, concepts, technical competency and proposals in response to set briefs and/or self-initiated activity.	There is a well design user interface with much functionality  Adequate ability to generate ideas, problem solving, concepts, technical competency and proposals in response to set briefs and/or self-initiated activity.	There is a well design user interface with much functionality  Adequate ability to generate ideas, problem solving, concepts, technical competency and proposals in response to set briefs and/or self-initiated activity.
Rigour	50%	There is no evaluation	There is a very basic evaluation with little or no rigour	There is a basic evaluation with little rigour	There is a basic user interface with limited functionality	There is a basic user interface with limited functionality	There is a basic user interface with limited functionality
Depth of insight	20%	There is no functioning user interface	There is a basic user interface with limited functionality  Adequate ability to generate ideas, problem solving, concepts, technical competency and proposals in response to set briefs and/or self-initiated activity.	There is a basic user interface with limited functionality  Adequate ability to generate ideas, problem solving, concepts, technical competency and proposals in response to set briefs and/or self-initiated activity.	There is a basic user interface with limited functionality  Adequate ability to generate ideas, problem solving, concepts, technical competency and proposals in response to set briefs and/or self-initiated activity.	There is a basic user interface with limited functionality  Adequate ability to generate ideas, problem solving, concepts, technical competency and proposals in response to set briefs and/or self-initiated activity.	There is a basic user interface with limited functionality  Adequate ability to generate ideas, problem solving, concepts, technical competency and proposals in response to set briefs and/or self-initiated activity.

Each worksheet is worth 11.1% of the total marks for this assignment.