

## Assignment 5: Analysing Educational Software

The purpose of this assignment is to consolidate your learning of educational theory and practice during Week 7, and how these concepts can be applied in Software Engineering. We have discussed that these concepts can be applied across a variety of contexts, however for this assignment you will be investigating applications with an explicit purpose for education.

### Details

You will be required to investigate **two different educational applications** and identify the educational theory or practice used in its development. You will have the opportunity to select the software that you will analyse from the list that is provided at the following link: <https://www.common sense.org/education/search/reviews>. These are primarily targeted at K-12 education (preschool through to secondary) though you will find many that apply across a broader range of learners. There are also a variety of subjects or learning areas that are targeted. You are free to choose any that you feel appropriate for the task, it does not have to be a Software Engineering context. Choose carefully as it may change the difficulty of the following tasks.

### Requirements

1. The applications must be sourced from the link above.
2. The applications must be free to try.

### Tasks

1. For each application, identify two educational theories or practices that were used in the design of the application.
2. For each of the identified theories or practices, explain how they have been implemented to support the educational aspects of each the software application. You may want to refer to specific examples in each application.
3. Analyse each of the applications to identify a weakness and formulate an idea to incorporate a new use of educational theory or practice to strengthen the educational element of each application.

### Submission

Submit a pdf document of a maximum of 1 page writing through the Canvas submission portal for Assignment 5. Images may be included if needed but should be on additional pages and referred to in the main text body. This does not need to be written as a cohesive report. You can include bullet pointed or separated ideas for each portion of the task. Tasks may be combined when writing e.g. define an identified theory, then explain how it has been applied.

### Assessment Rubric

<i>Task</i>	<i>Description</i>	<i>Marks</i>
Identify educational theories or practices	There should be two identified in each application. Each will be worth 1 mark.	4
Explain how each theory or practice is applied	Provide an explanation for each of the identified theories/practices. Each explanation will be worth up to 2 marks.	8
Analysing the applications for weakness	Identify a weakness in each application that could be better supported by the inclusion of educational theory/practice. Identifying a weakness is worth 1 mark, proposing a solution is worth up to 3 marks.	8
		Total: 20 marks