

Task 3 Spike: Game Engine Analysis

CORE

Context

It is rare for a game to be built entirely from scratch. There are a range of game frameworks and middlewares to build upon.

Knowledge/Skill Gap:

The developer is not familiar with the range of frameworks and libraries available to build upon when constructing games.

Goals

1. Select at least three game frameworks or middlewares/libraries and write a short report (2-3 pages) that includes:
 - a. A short overview of each of your selected frameworks/libraries
AND EITHER OF
 - b. (if the selected frameworks/libraries are similar) A comparative review of the features offered by each framework/library
OR
 - c. (if the selected frameworks/libraries have different roles) An overview of where each of your selected frameworks/libraries sits in the game development process, and what manner of games each framework/library is best suited to.
2. Select one game engine or high-level framework and write a short report (2-3 pages) detailing:
 - a. The features of that engine or framework
 - b. The platforms that engine or framework is available on
 - c. What, if any, differences there are between the versions of engine/framework on different platforms
 - d. The games that have made use of the selected engine/framework
 - e. Anything else you think is important to comment on

Expected Output

Repository

1. Report on Game Frameworks/Middleware
2. Report on Game Engines
3. Spike Report

Canvas

1. Report on Game Frameworks/Middleware
2. Report on Game Engines
3. Spike Report

Notes

It sounds like more work than it is (or should be)

6 pages sounds like a lot, but we're expecting a good use of tables, lists, and illustrative images – they take up space fast. Don't use them *just* to take up space, but they are genuinely the best way to communicate the kinds of information we're after

Don't overthink it

We're not looking for the perfect analysis, or expecting you to have detailed insider knowledge about these products. We're just looking for you to document what you think is important based on publicly available information. We'll be revisiting these analyses later...