

## Task 4 - Spike (ext): GridWorld Multi-threaded

**Context:** The non-blocking game loop is a more sophisticated implementation of the game loop concept. It is the most common form of game loop used by modern games.

**Knowledge/Skill Gap:** The developer is unfamiliar with the non-blocking game loop.

**Goals/Deliverables:**

[CODE] + [SPIKE REPORT]

Create a console program that implements the “GridWorld” game using multi-threading to create a non-blocking game loop. The loop must execute continuously, only processing input when it occurs, and only providing output when necessary. The GridWorld game should be implemented with a timer.

**Recommendations:**

- The time will help you demonstrate that one thread is continuously running.

**Tip:** You don't have to do this now! You can come back to it later if you want to do it and as your skills improve.