Spike: 1

Title: Simple Game Loop

Author: Parth Madhani, 101901858

## Goals / deliverables:

- Code
  - o Resources.h
  - WorldProcessor.h
  - WorldProcessor.cpp
  - MoveHandler.h
  - MoveHandler.cpp
  - o Source.cpp
- Spike Plan
  - Simple paper design.

## Technologies, Tools, and Resources used:

- Visual Studio IDE
- www.cplusplus.com
- Canvas

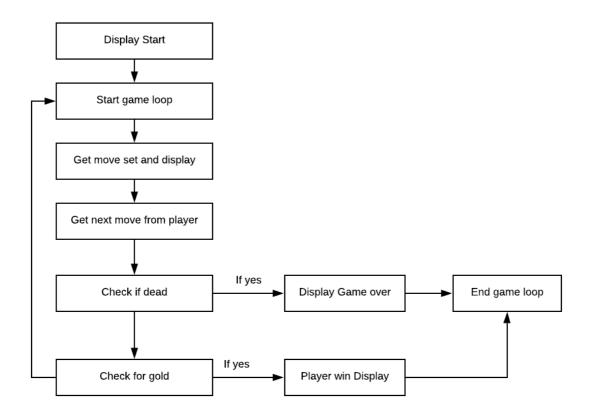
## Tasks undertaken:

- Developing a spike plan on paper in order to determine how the program will execute.
- Researching some topics such as 2D array initialization.
- Adding functions step by step while making sure code works.

## What we found out:

I found out how to implement a simple blocking game loop using the Visual Studio IDE and C++ as the programming language.

I decided to go straight to an object oriented version of this program by ensuring that our plan was designed for this. For the planning I did a rough sequence in order to plan the flow and interactions of the game.



Basically I created a simple program where a array is used to store the basic map of game. I also decided to add a extra wall so as to prevent player from going south during the start of game.

```
- mover famaler
      #pragma once
     =#include "Resources.h"
     #include <list>
    ⊡class MoveHandler
      private:
         10
11
14
15
18
         };
19
20
         Position fPlayerPosition;
      public:
22
23
         MoveHandler();
24
25
         bool ValidateMove(Move aMove);
```

```
Welcome to GridWorld: Quantised Excitement.Fate is waiting for You!

Valid commands: N, S, E and W for direction. Q to quit the game.

You can move North, :> N

You can move West, East, South, :> W

You can move East, North, :> N

You can move East, South, :> E

You can move West, East, Set

You can move West, North, :> N

You can move West, North, :> N

You can move West, South, North, :> W

You can move West, East, North, :> N

You can move West, East, North, :> N

You can move West, East, South, :> W

Wow - youÆve discovered a large chest filled with GOLD coins!

YOU WIN!

Thanks for playing.There probably will never be a next time.
```