

## **CodeMaze**

A visual programming game where players solve mazes by creating sequences of code blocks.

### **Overview**

CodeMaze is an educational game that teaches programming concepts through maze navigation. Players construct sequences of code blocks to create sequences of commands, which guide a character through increasingly challenging mazes.

### **Features**

- Intuitive interface for creating command sequences
- Visual execution of commands in real-time
- Progressive difficulty levels
- Available commands:
  - Move Forward
  - Rotate Left
  - Rotate Right
  - Loop (input iterations)

### **Prerequisites**

- Windows 10+

### **Installation**

1. Unzip the code folder
2. Locate the 'Software Engineering 1 Project' application
3. Double click on that file to run it (or right click > run)

### **How to Play**

**\*\*Play the game on full screen**

1. Click 'Play' to go to the Level Selector
2. Select a level from the available mazes
3. Click command blocks to build a code sequence

4. Modify parameters as needed (turn right/left, loop iterations)
5. Click "Execute" to watch your character navigate the maze
6. Complete the maze to unlock the next level