LCOM 21/22 - Project proposal

Platform strategy action game (single-player) Group 5 (Class 2)

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Introduction

• In this project we pretend to implement a game consisting of an arena, where the player needs to eliminate all robots that are trying to defeat him, in order to win.

Functionalities desired

- **1.** The game has a menu where the user can choose an option (play, instructions, scoreboard, exit).
- 2. The gameplay part consists of a level (easy, medium or hard) with unique characteristics.
- **3.** Each level will have a map which is made of fences and contains a player and some robots.
- 4. The robots will chase the player and try to kill him.
- **5.** The user can move the player around and eliminate robots by shooting them.
- **6.** Whenever the player or a robot hits a fence, the player/robot gets electrocuted and is killed immediately.
- **7.** The player wins if all robots are eliminated.

Devices used

- **Video card** (graphics mode) displays the game and everything related (shows the maze, player and robots on the screen in addition to the main menu).
- **Keyboard** controls actions within the game (player movements).
- **Mouse** controls actions within the game (menu navigation, menu option selection and player attacks to robots).
- **Timer** used to control the timing of character's actions and game animations (robots' timely movements towards the player).

Weekly work plan

- Week 1 Project planning, making of sprites, graphics (menu and maps).
- Week 2 Animation (timer).
- Week 3 User input from keyboard.
- Week 4 User input from mouse, final adjustments, documentation and report.