Code Lab Design Document

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1 Introduction

Code Lab is a game where kids collaborate on navigating a character through labyrinths, solving puzzles and fighting enemies. It runs in a shared environment where kids physically interact with the game by either writing real code or moving visual code blocks. Code lab consists of two types of devices, one large display to run the game on, and one or more input devices for kids to interact with the game.

Since the kids need to program the characters to perform different tasks, they will have to learn the basics of programming. The different levels will require them to learn about *variables*, *functions* and *control statements* such as *for*-loops and *if*-statements.

1.1 The Tromsø Display Wall