

SE 101 Lab Project Proposal

Super Mario Dash Dash Dash!

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Introduction

During this project, we will create a game Similar to Super Mario.

- A simplified Super Mario game
- Have random obstacle and cliffs
- Difficulty increases gradually
- Unlimited map

Equipment

-Software

- ◆ Implemented OLED user interface
- ◆ Map generator
- ◆ Time keeper
- ◆ Award system displayed by LED flashing

-Hardware

- ◆ Orbit BoosterPack™
 - 128x32 pixel OLED display
 - 2 buttons
 - 1 switch
 - LED
- ◆ Tiva™ C Series TM4C123G LaunchPad

Challenge

- Switching Interface
- Drawing and moving complex objects on OLED screen
- Generating objects
- Controlling buttons and switch
- Keeping time
- Triggering LED

Conclusion

This is a hard and challenging project. We will try to realize all the functions.