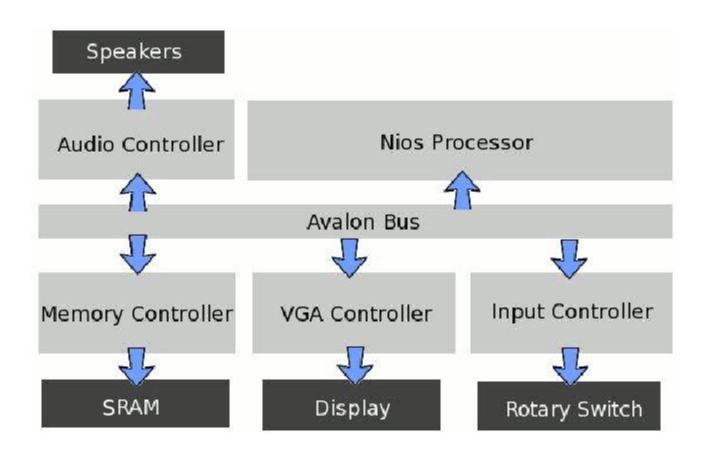
CSEE4840 Project Presentation

Watch Out!

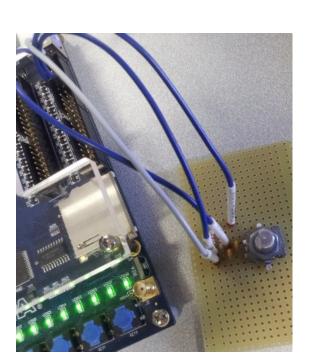
Gameplay

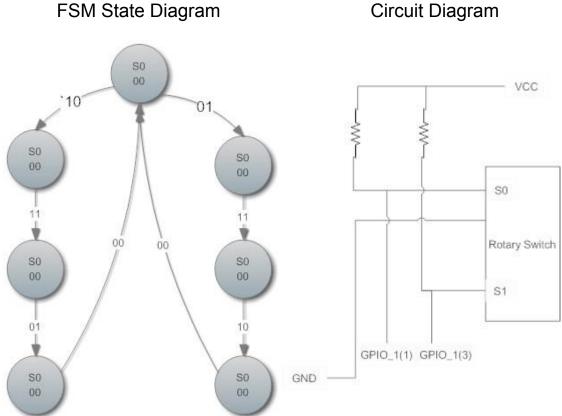
- Player moves from platform to platform with rotary switch as controller
- Landing on platforms increases the score
- Different platforms create different challenges
- Difficulty increases as score increases
- Object of the game is to get the highest score

General Architecture

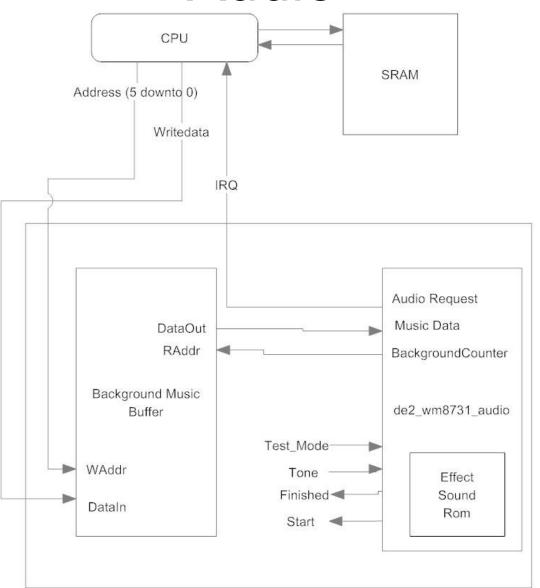


Rotary Controller





Audio



Audio

Configuration

6000 Hz for background music

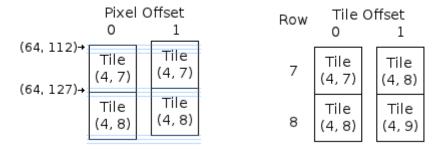
3000 Hz for effect sound

Software

Interrupt CPU to ask for next 32 background music data

Video

- Tile Based Architecture
 - 30 rows x 40 columns of 16x16 pixel tiles
 - Tiles scroll at varying speeds



Player is a sprite that can be placed anywhere

Game Control

- Main Loop
 - Platform Generation
 - Player Position Updates
 - Score and Health Updates
- Screen Refresh
 - Draw Score and Health
 - Draw Player
 - Draw New Platforms
- Audio Refresh
 - Feed new data to buffer from SRAM

Contribution

- Zach
 - Video
 - Software
- Shangru
 - Audio
 - Rotary Controller

Conclusion

- Well-designed Tiled-base Architecture
- Reasonable SW-HW workload allocation
- Interesting Game
- Had Fun and Cooperated Nicely

Demo

Have Fun!