Development of a switch accessible software

for the children with severe physical disabilities

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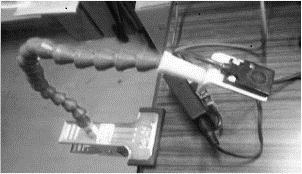
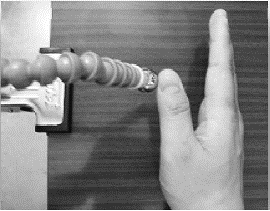
# Introduction

In this study, we target severely physically handicapped children. Severely physically handicapped is a child who has severe dysfunction such as paralysis or deficit of limbs and failure to freely move body due to dysfunction of trunk. Therefore, difficulties arise in learning activities and communication activities in daily life.

Then we use switch teaching software at special support schools as learning contents that can be used even for children with severe physically handicapped.

# System for the switch activities

Switch teaching software is software that operates by operating switches instead of mouse and keyboard. There is also an advantage that it can be selected from various switches according to the learner. Learning to understand causal relationships Learning motivation will be improved by moving oneself.



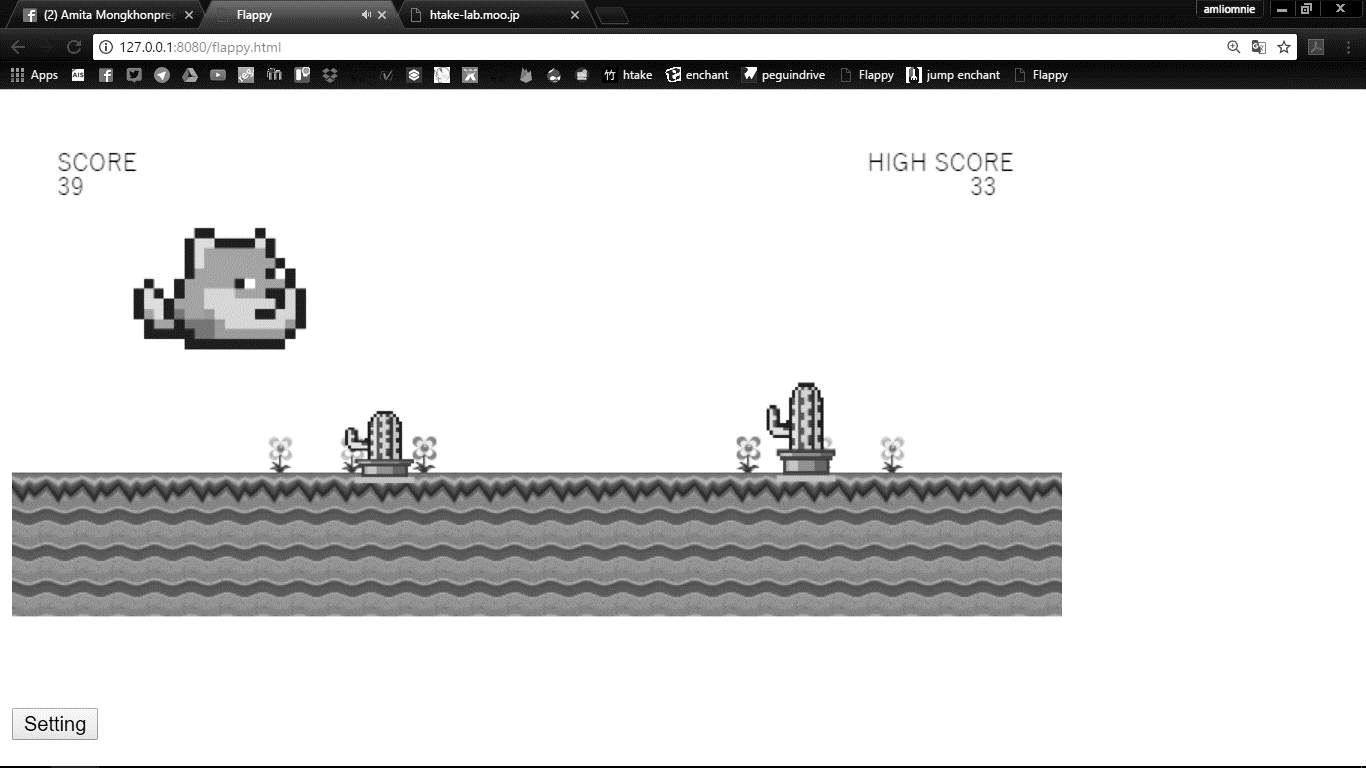
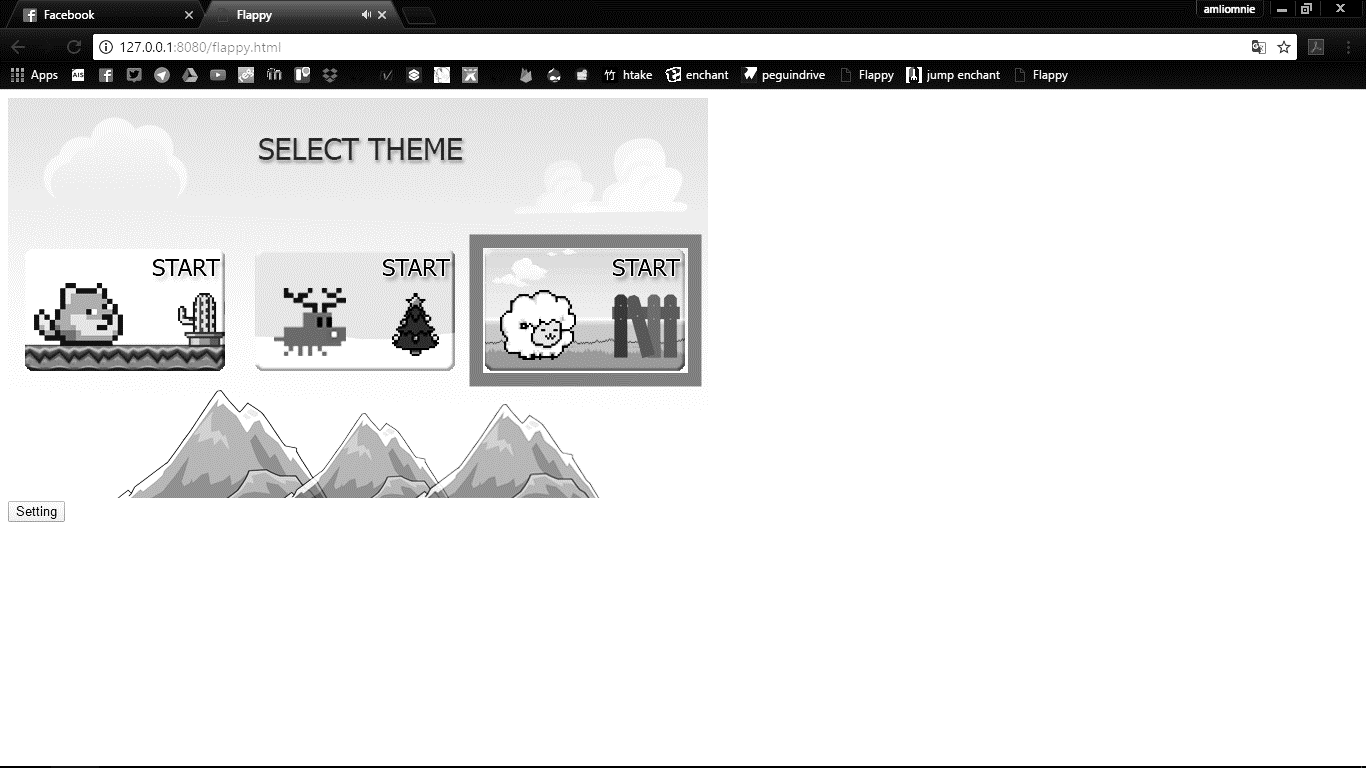
Jelly Bean Switch

Proximity sensor switch

Point touch switch

# Development of a switch accessible software

I developed a switch accessible software by JavaScript and HTML5 with Enchant.js framework for creating game. Therefore, it also available on various device such as smartphone, tablet, PC. Quisque tellus est arcu, bibendum ipsum mattis dictum vestibulum ante pede, diam nam amet. Nunc sodales mauris pharetra ut pretium



# Conclusion

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# References

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