Project 1: Tangibles with Digital

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Inspiration

The magnifying glass is a device which we have historically used to reveal information not easily visible to the naked eye. Users move the magnifying glass closer and further away to reveal different levels of detail for the item being examined. The magnifying glass is a device which we have historically used to reveal information not easily visible to the naked eye. Users move the magnifying glass closer and further away to reveal different levels of detail for the item being examined. The magnifying glass is a device which we have historically used to reveal information not easily visible to the naked eye. Users move the magnifying glass closer and further away to reveal different levels of detail for the item being examined.

Concept

Concept







Coccinellidae

The Coccinellidae are a family of small beetles, ranging from 1 to 10 mm.

Wikipedia.org



Coccinellidae

The Coccinellidae are a family of small beetles, ranging from 1 to 10 mm. They are commonly yellow, orange, or scarlet with small black spots on their wing covers, with black legs, heads and antennae.

Wikipedia.org

Position A







Passion fruit

Passiflora edulis is a vine species of passion flower.

Position A

Passion fruit

Passiflora edulis is a vine species of passion flower that is native to Brazil, Paraguay, Uruguay and northern Argentina. Its common names include passion fruit, passionfruit, and purple granadilla.

Wikipedia.org

Position A

Fructose

Fruit sugar, is a simple monosaccharide found in many plants

Wikipedia.org

Position B

Fructose

Fructose, of fruit sugar, is a simple monosaccharide found in many plants, where it is often bonded to glucose to form the disaccharide sucrose.

Wikipedia.org

Position B

Tangible Interface

The metaphor of a magnifying glass revealing detail or knowledge is utilized while incorporating the concept of handles and digital shadows: The action of moving our device closer or further away changes the level of detail presented to the user.













Position A

200000

 $\mathbf{\Lambda}$

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4

100

2011120



Overview of Implementation



Block Diagram of HW Implementation



Flowchart of Data Processing





























Thank you

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