

### EM\_455182

# Device to Stop Human Trafficking

**Team 523** 

**Virtual Design Review 1** 

### Team Introductions



Melanie Munroe Project Manager Test Engineer



D'Angelo Senat Industrial Engineer



Oswaldo Machado Electrical Engineer



Abraham Barron
Prototyping
Engineer



Mafuor Tanji Computer Engineer



**Engineer** 

### Sponsor







### **Human Trafficking**



Fastest growing industry, estimated to be worth \$150 billion



10 million children affected, most often girls age of 12-14



Every two minutes, a child is being prepared for sexual exploitation



### **ANAR Lenticular Sign**

Lenticular Lens
An image, when viewed from different angles, different images are magnified

D'Angelo Senat

### **ANAR Lenticular Sign**

Adult View
Taller than 4'3"

Clear face



Child View Shorter than 4'3"

Bruised and Bloodied face

No background text

**Background text** 

D'Angelo Senat

### Project Brief Summary



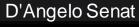
Assists any child (14 and younger) to seek help



Using discrete methods, the device will be easily accessible in trafficking hot spots



The child will see the lenticular lens and seek for help



### Background



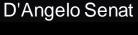
1 out of 5 pornographic images are of a child



On average, sex trafficking victims are sold 10-15 times per day



Government agencies, private agencies, and civil society play an important role in the fight of child trafficking

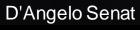






### Background







### Project Scope

#### Key Goals:

- Rescue a child from a dangerous situation
- Design a device that is discrete to the public eye
- Prevent false alarms
- Spread awareness around the world



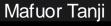
### Markets



World Day Against Child Trafficking: "The Unspoken Story"

### **Primary Market**

Any child in danger



### Markets



"The Unspoken Story"

### **Secondary Markets**

- Tallahassee Police
  Department
- **₩** ECPAT USA
- Non-Profits related toHuman Trafficking

Mafuor Tanji



Data was acquired by surveying experts

- School guidance counselor
- FBI agent defending against drug trafficking



Blend seamlessly into public areas



User friendly for different backgrounds



Alert authorities when activated



Visible for children age 14 and younger



Gather information on the situation





### Blend seamlessly into public areas



880 Cities "Tallahassee, Florida"



Blend seamlessly into public areas



User friendly for different backgrounds



Alert authorities when activated



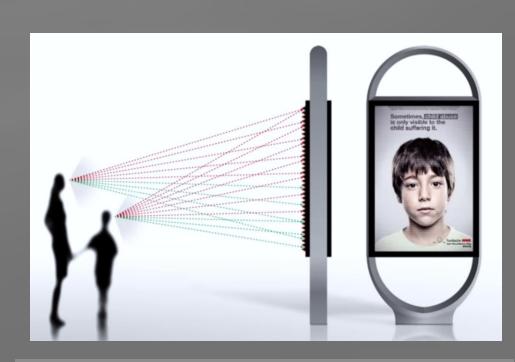
Visible for children age 14 and younger



Gather information on the situation







ANAR Foundation "Only for Children" Lenticular Sign



Blend seamlessly into public areas



User friendly for different backgrounds



Alert authorities when activated



Visible for children age 14 and younger



Gather information on the situation



## User friendly for different backgrounds



Arigatou International "Human Trafficking"



Blend seamlessly into public areas



User friendly for different backgrounds



Alert authorities when activated



Visible for children age 14 and younger



Gather information on the situation



## Gather information on the situation



The Library of Economics and Liberty "The Surveillance State"



Blend seamlessly into public areas



User friendly for different backgrounds



Alert authorities when activated



Visible for children age 14 and younger



Gather information on the situation

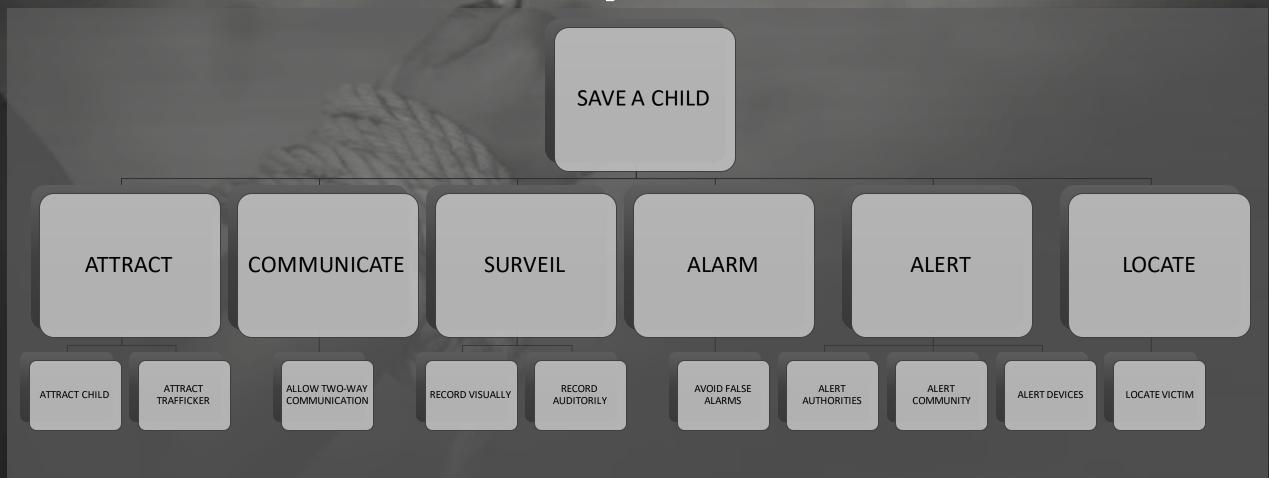


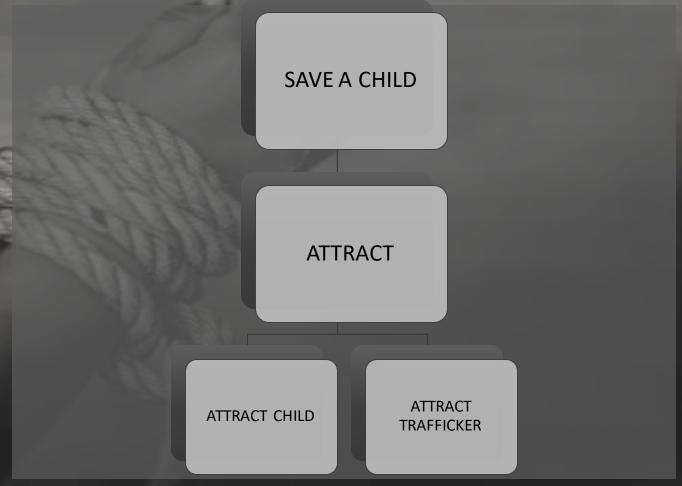
### Alert authorities when activated

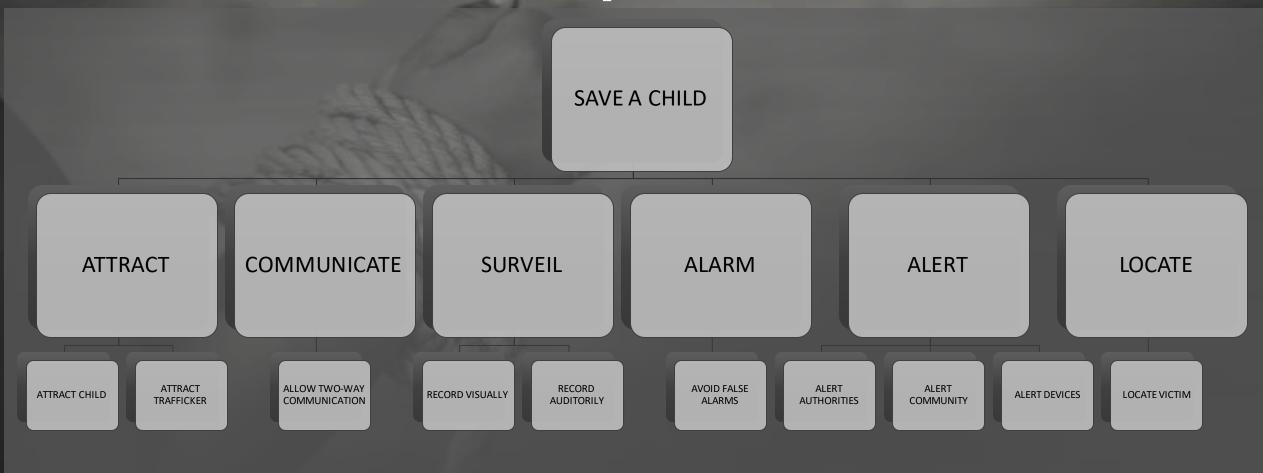


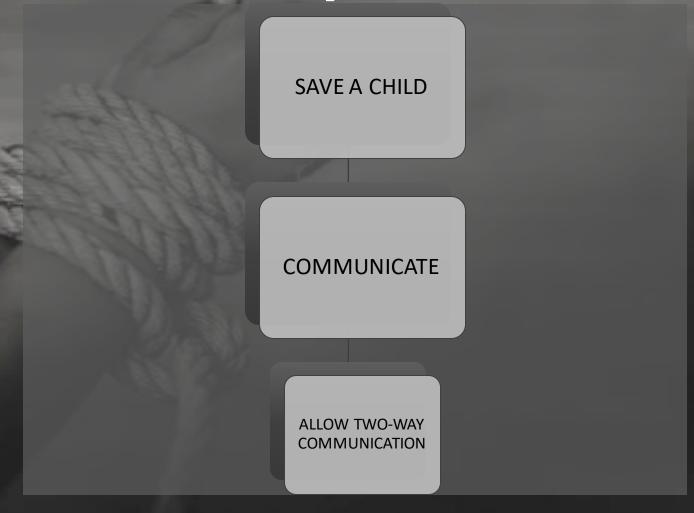
Unsplash/Public Domain Police Officer

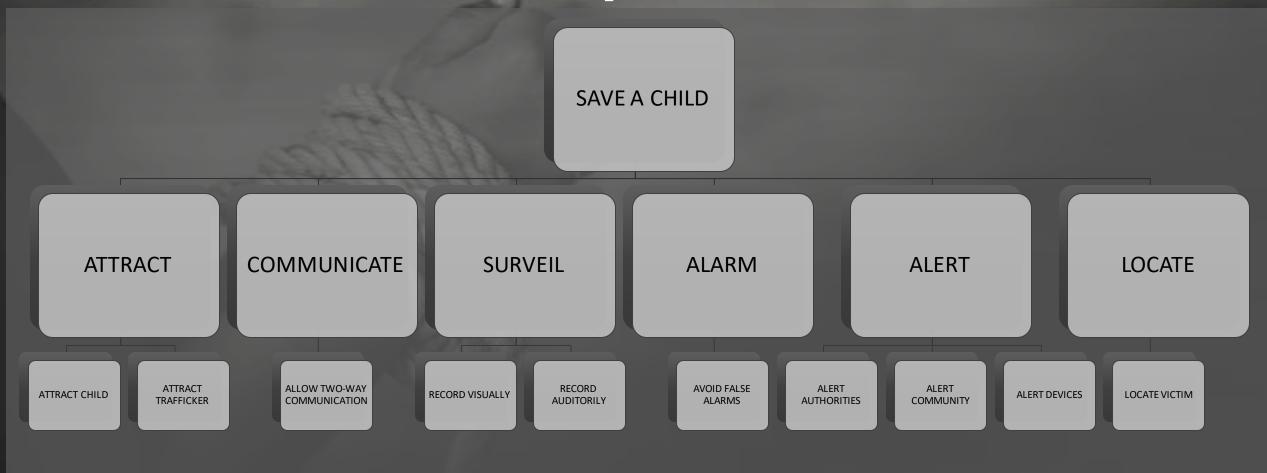


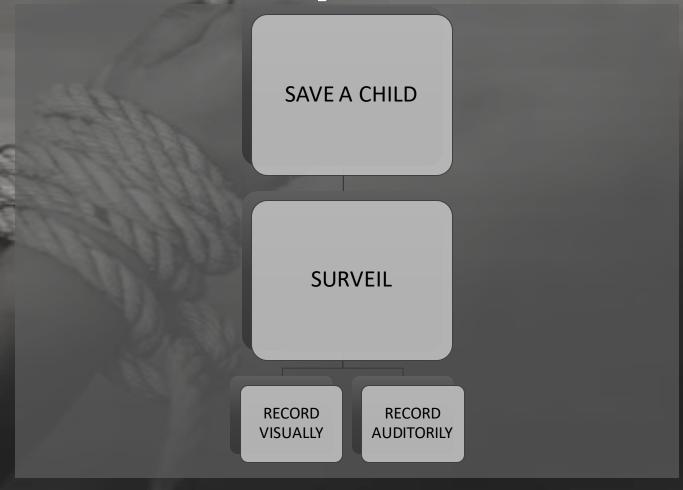




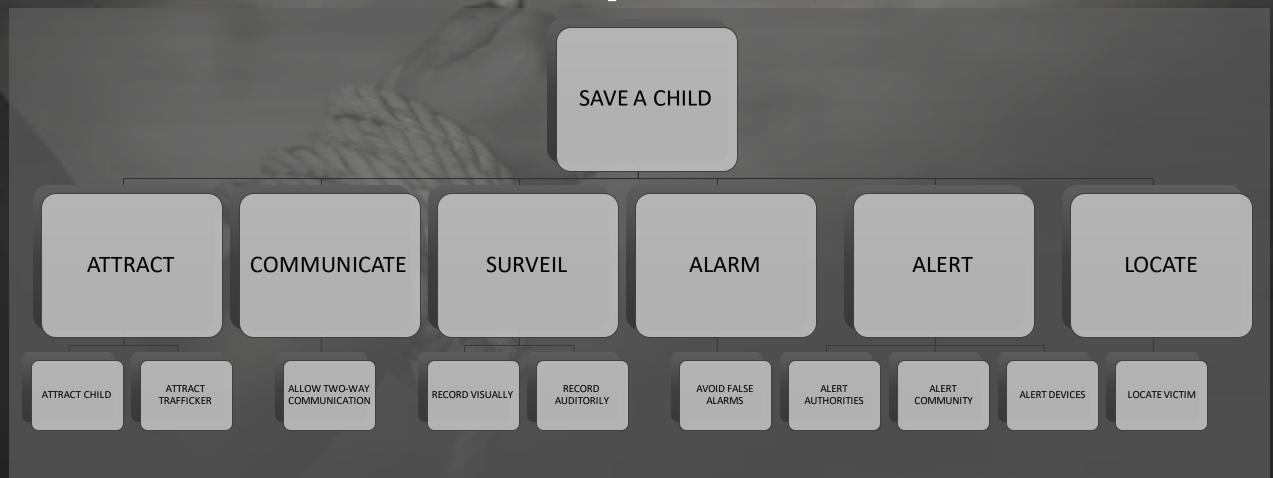


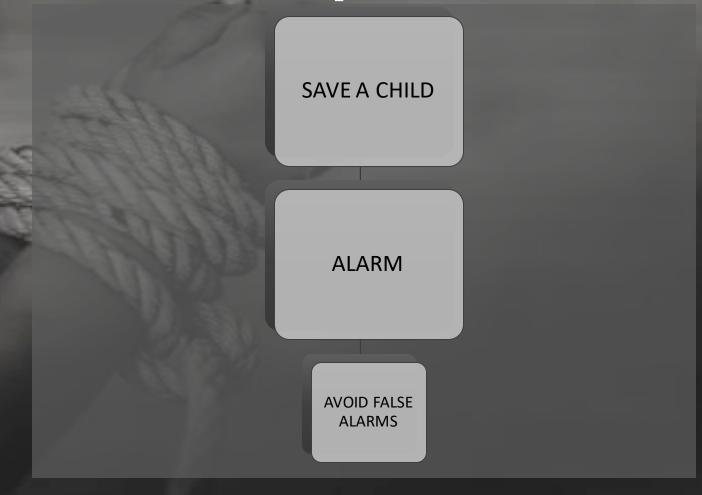


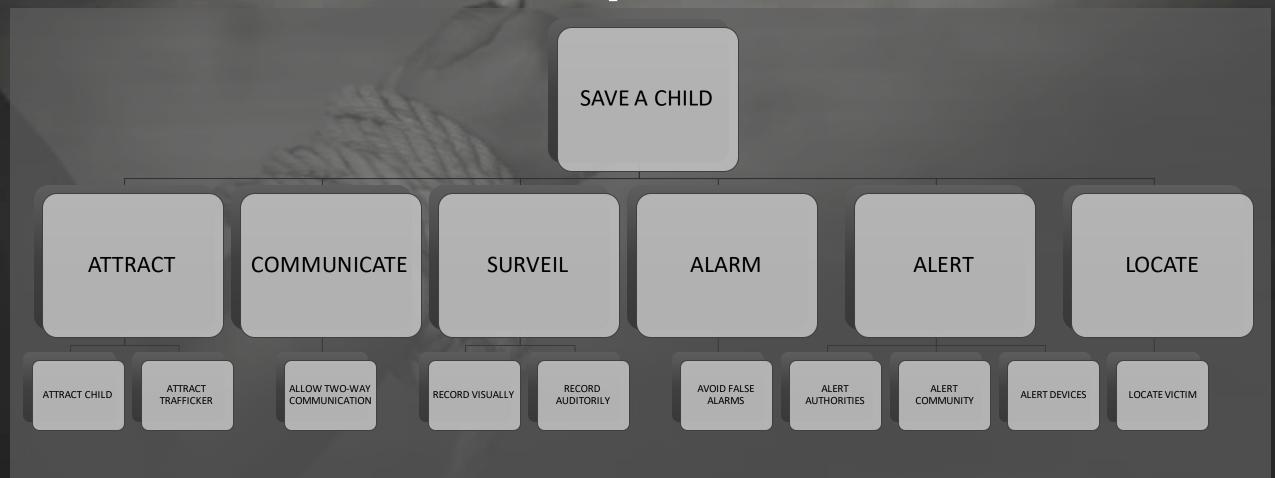


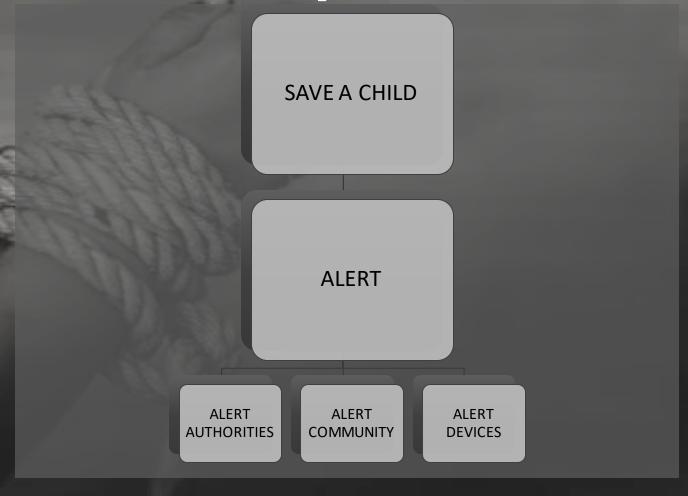


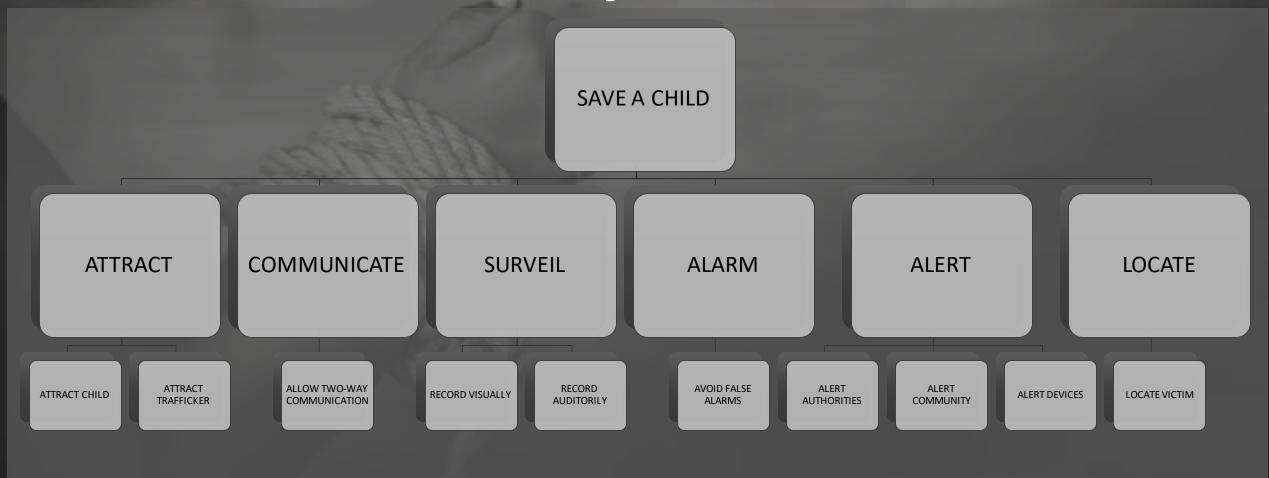
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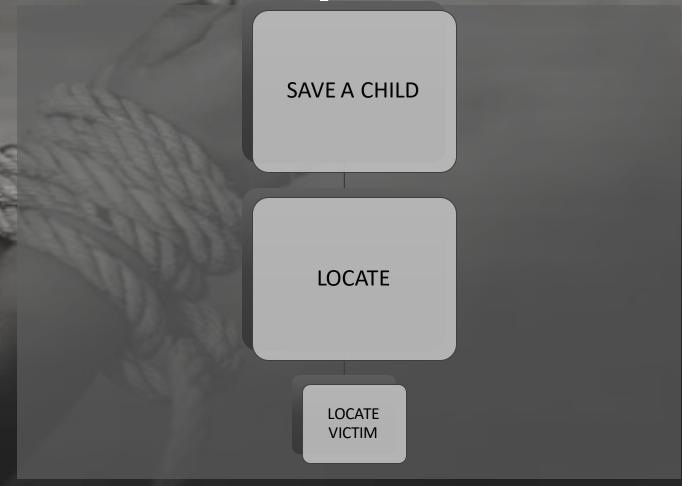


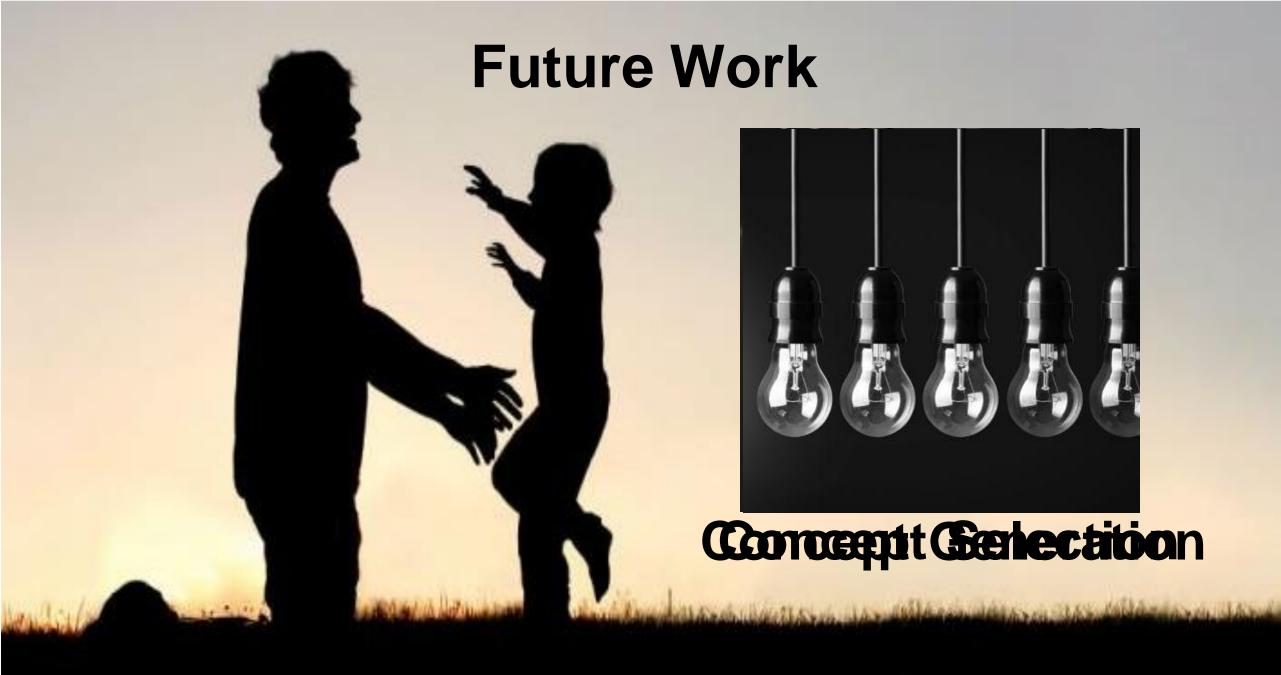












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Bound Hands Image 2: https://www.thejournal.ie/sex-trafficking-ireland-children-4294634-Oct2018/

Help Me Image: <a href="https://medium.com/@jfkorg/world-day-against-child-trafficking-the-unspoken-story-2dc66e66160c">https://medium.com/@jfkorg/world-day-against-child-trafficking-the-unspoken-story-2dc66e66160c</a>

Woman with Hand Over Mouth Image: <a href="https://internetsafety101.org/trafficking">https://internetsafety101.org/trafficking</a>

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Crying Child Image: <a href="https://endingchildpoverty.org/en/blog/222-world-day-against-trafficking-in-persons">https://endingchildpoverty.org/en/blog/222-world-day-against-trafficking-in-persons</a>

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Not For Sale: <a href="https://www.sentinelassam.com/breaking-news/3-year-old-boy-allegedly-sold-for-rs-80000-in-tezpur-four-arrested/">https://www.sentinelassam.com/breaking-news/3-year-old-boy-allegedly-sold-for-rs-80000-in-tezpur-four-arrested/</a>



