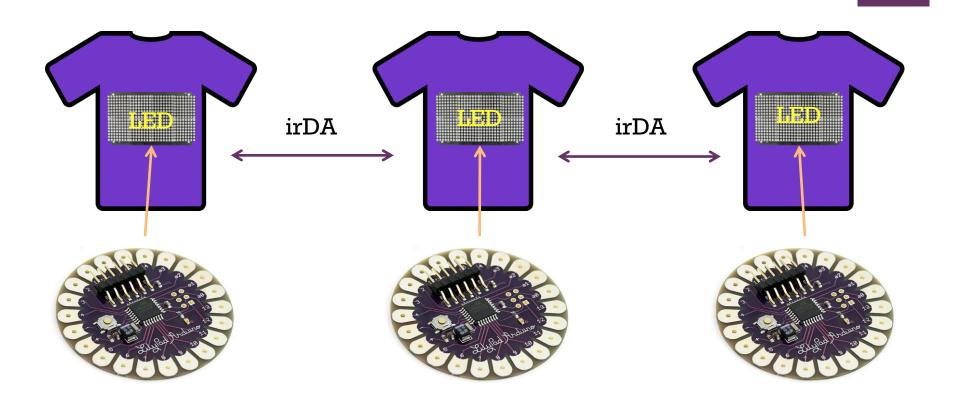


#### Status Update

- T-shirts that interact with each other by IrDA transceivers
- LED displays that shows custom messages and graphs
- Parts ordered(total cost \$180 for 3 set)
- > IrDA Transceiver
- > P4 32X16 RG Bicolor LED Dot Matrix Unit Board SPI Like
- LilyPad Arduino 328 Main Board
- <u>LilyPad Simple Power</u>
- > FTDI Basic Breakout 5V

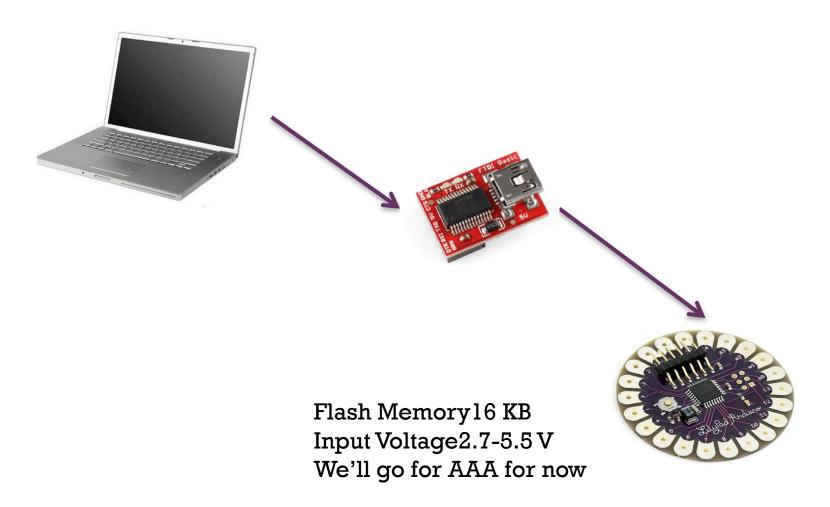
### Architecture



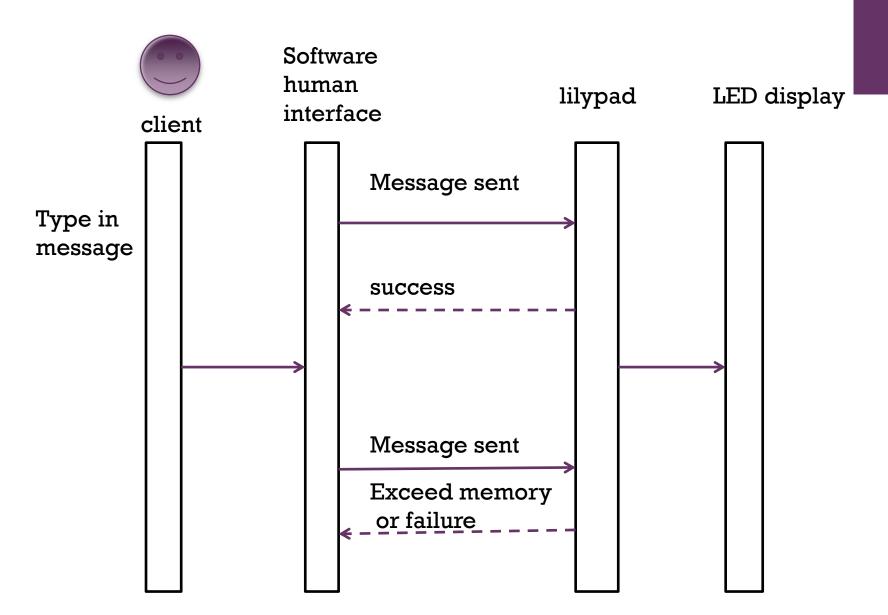
Net weight of the LED board= 250g / 8.9oz

#### +

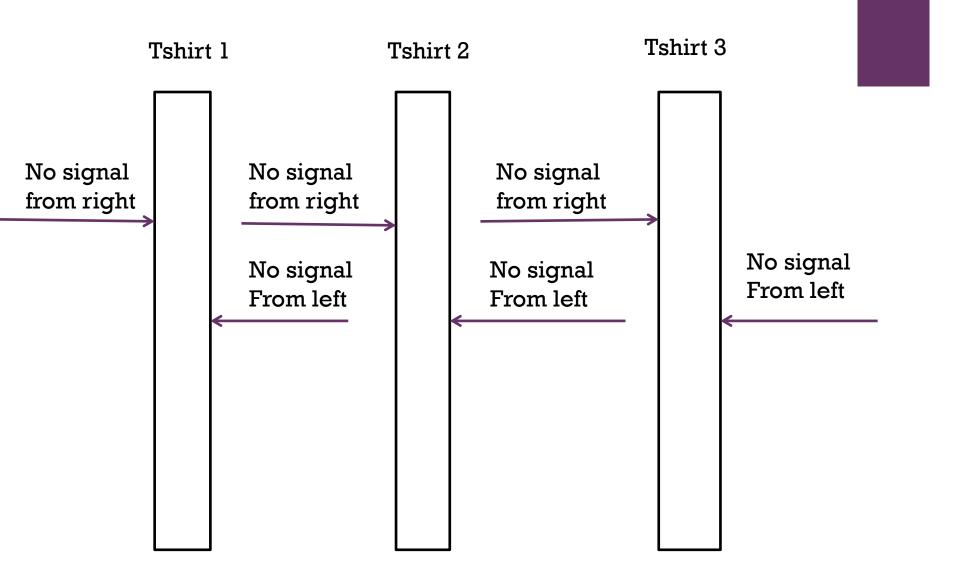
#### Architecture continued for data transfer



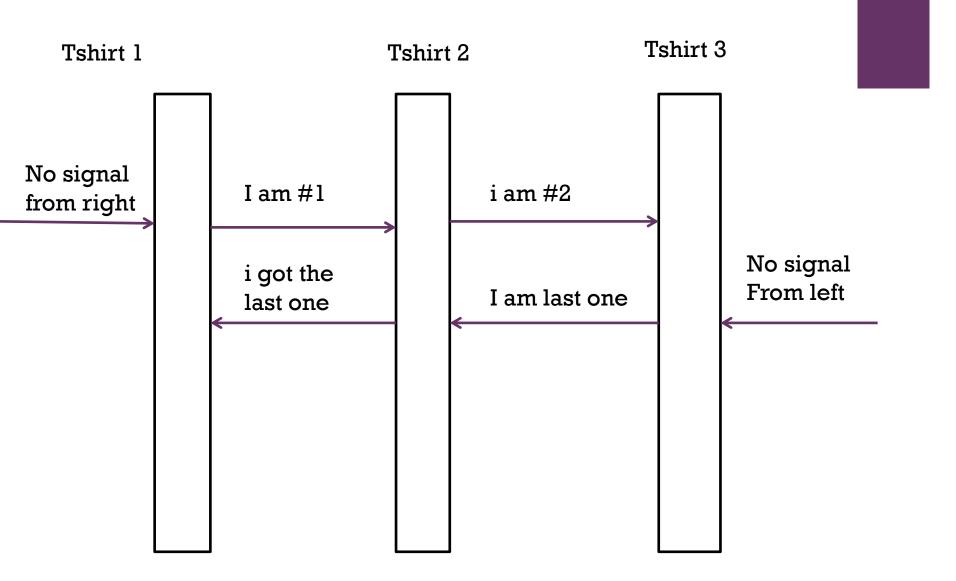
### Use Cases



## \* Use Cases



# Use Case





# Risks and mitigation

■ The shirt might get too bulky

■ The shirt won't be waterproof

- IR transceiver might not work as we expected
- User find it hard to change the text or image

- We will first use the AAA battery but later on we might try using two button batteries
- We might add a shield to the LED. Lilypad is already washable.
- This need to be further discussed
- Try to design a more userfriendly interface