FINAL PROJECT NEW TEXTILES

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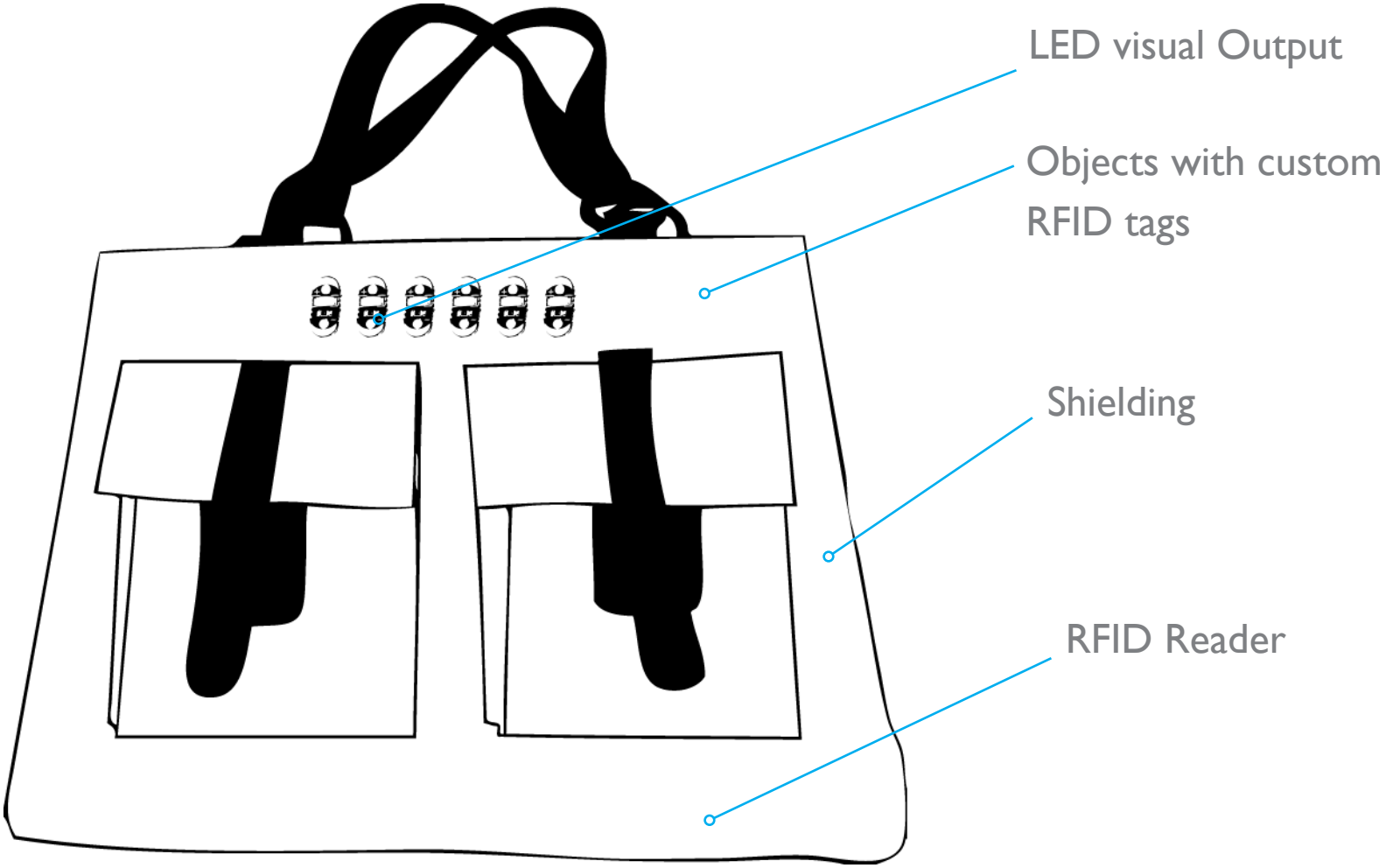
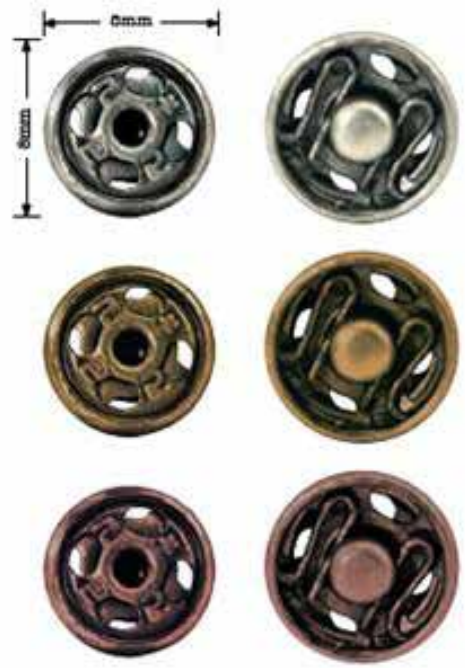
DESIGN IDEAS Proposal

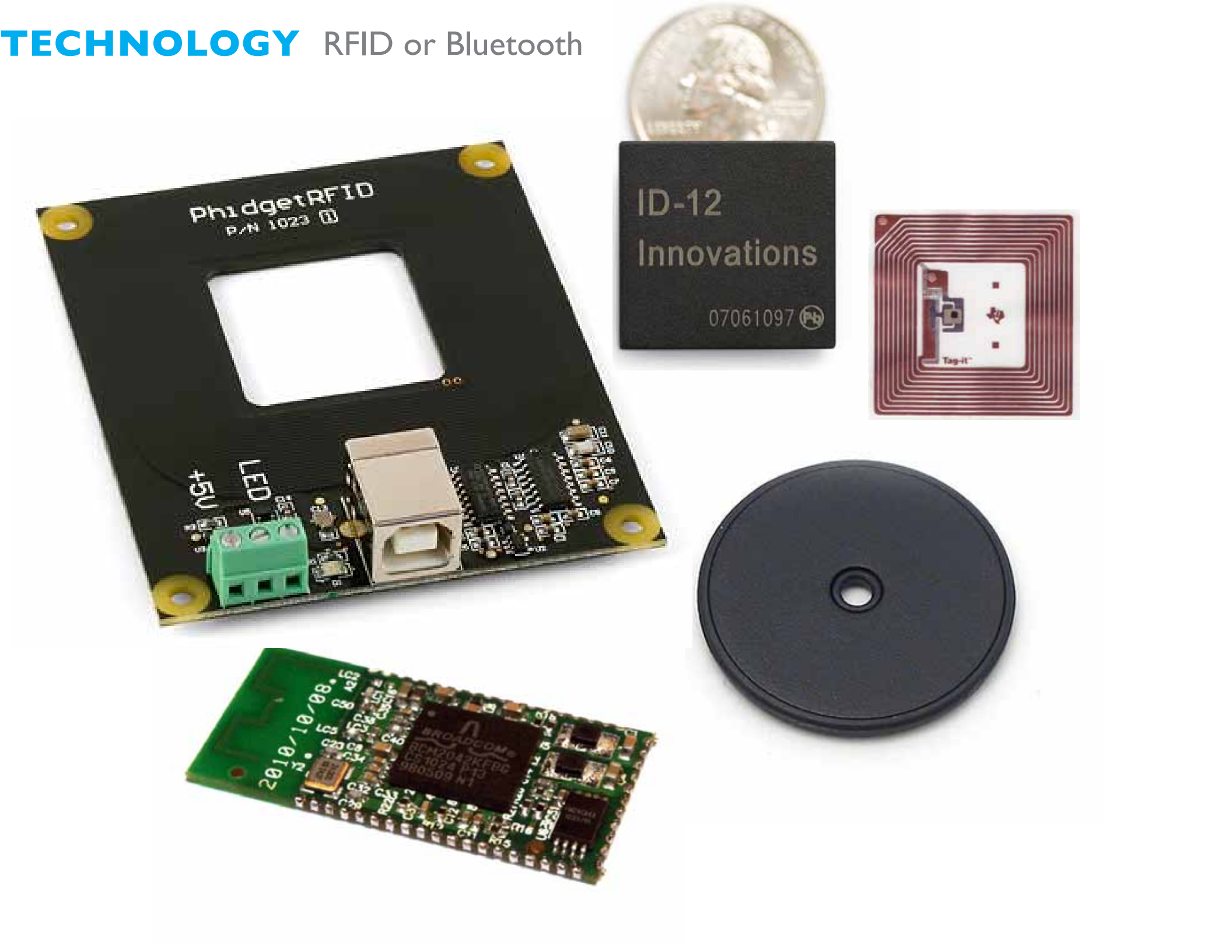
To build an intelligent bag that will sense if the users "important" objects are present, through the use of RFIDs and a visual output, signaling when each object is present.

DESIGN IDEAS




6mm
8mm

TECHNOLOGY RFID or Bluetooth

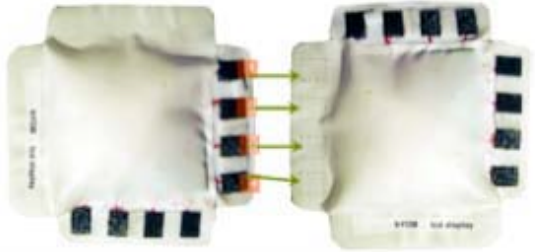


INFLUENCES Key Finder

INFLUENCES Nanda Gauri: *Build Your Own Bag*

[Fabric Blocks]

bYOB is a prototype network integrated into a set of fabric blocks that can be configured into familiar garments and accessories that borrow and share sensory data. The system is designed to afford anyone the ability to build, rip apart and reconfigure intelligent objects.



[Connectors]

Conductive Velcro is used to join peaces together and enable power and data to be tranmitted throughout the object that is built. Because the user is able to "accessorize" as desired, digital behaviors can always be changed to meet individual evolving needs. bYOB can be used to build "reminders" inside fabric

[Future]

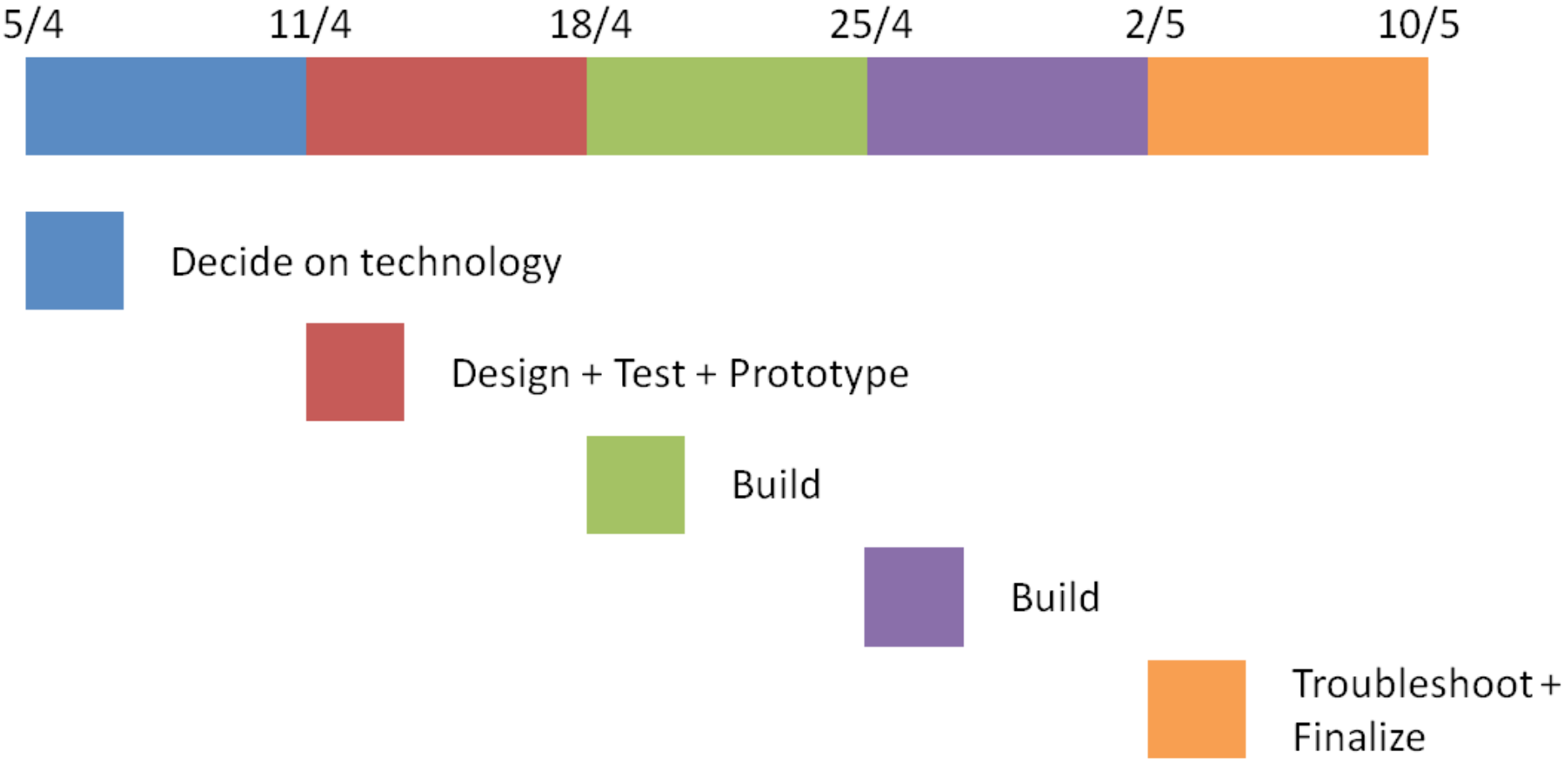
Future applications of bYOB may allow users to "Google"inside of their physical personal belongings.

INFLUENCES Kalani Craig: *Know It All Bag*

INFLUENCES Becky Stern: Designed RFID Tags

INFLUENCES Flip Side Wallet

SCHEDULE


5/4
11/4
18/4
25/4
2/5
10/5
Decide on technology
Design + Test + Prototype
Build
Build
Troubleshoot + Finalize

CHALLENGES

- **Master RFID Technology** *(tags and compatibility)*
- **Power Issues** *(saving battery power)*
- **Designing the Visual Interface**
- **User Customization** *(too complex?)*