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| **Group** 27 | Item Tracker |
| **Major:** | **Team members:** |
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**System Design Trades**

*Blue text (like this) should be removed from your submission. In principle, there will be multiple ways to realize the functionality required by each functional block in your system diagrams. From the system architecture diagrams, you should now compile lists of the design choices to be made for each functional block diagram and where appropriate the interconnects between them. You should not be making these choices now or even identifying options, but merely identify the decisions that should be made. Each design will be made (in a future worksheet) through a process of design trades between possible solutions.*

Hardware design trades

1. Controller
2. Size
3. Wi-Fi Compatibility
4. Controller
5. Lighting
6. Size
7. Power consumption
8. Power source
9. Size
10. Voltage output
11. Mobile device
12. Wi-Fi compatibility
13. Use of mobile applications
14. Case
15. Damage resistance
16. Attachment method
17. Secure attachment
18. Removable
19. Capable of reattachment

Software design trades

1. SW design trade 1
2. SW design trade 2
3. SW design trade 3

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