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| **Group** 27 | Item Tracker |
| **Major:** | **Team members:** |
| CS | Mohammad Aljagthmi |
| EE | Ryan Ly |
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| CS | Donald Taylor |

**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. HW design trade 1
2. HW design trade 2
3. HW design trade 3

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Software design trades

1. GUI
   1. Programming language
   2. Platform for delivery
   3. Design and layout
2. Database
   1. Database language
   2. Database model
   3. Database interaction API
3. Background Services
   1. API
   2. Communication to Database
4. OS Communication
   1. API
   2. Communication to External Services
5. Tracker
   1. API
   2. Communication methodology to transmit data
   3. Structure of data transmitted
   4. Data transmission interval