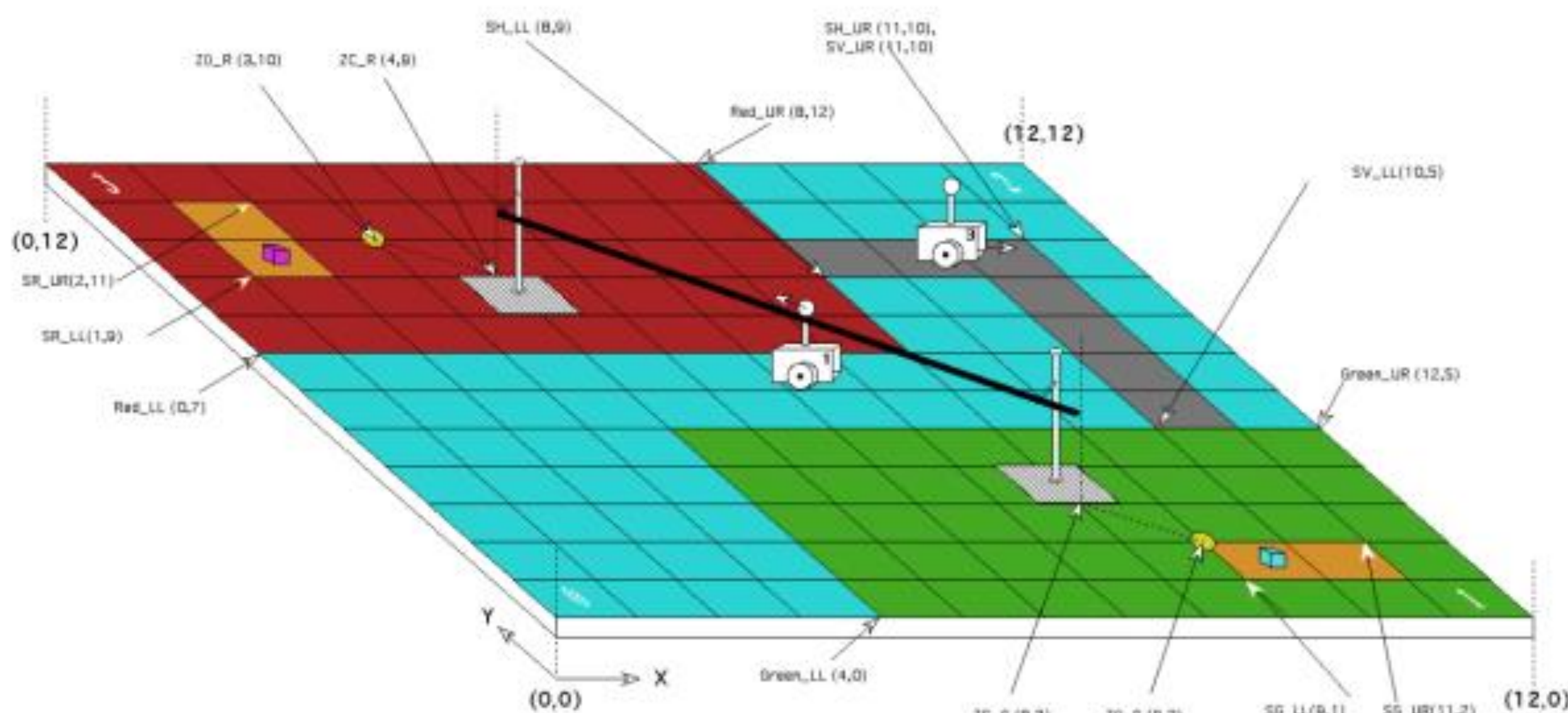


Objective

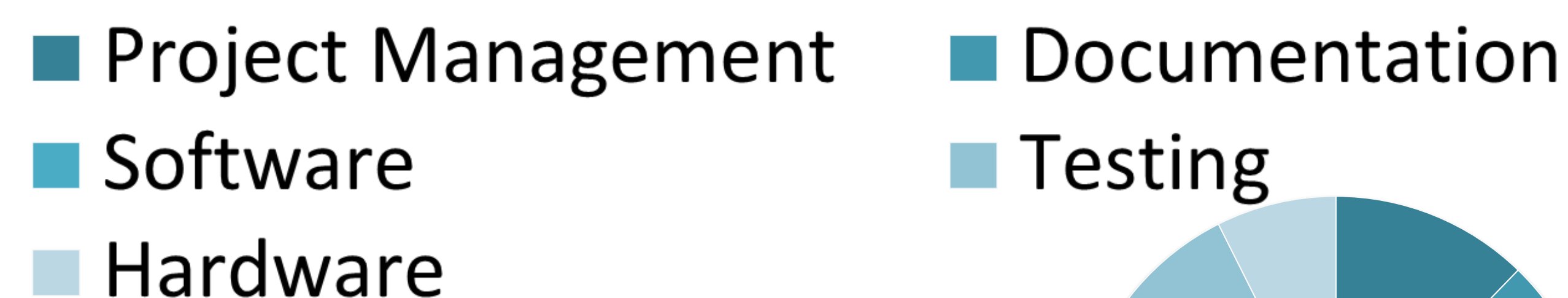
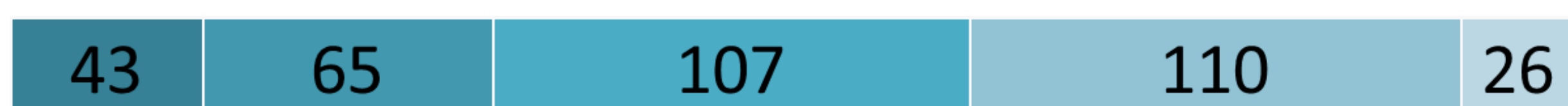
Construct an autonomous zip-line-traversing robot that can play a one-on-one version of the game "Capture the Flag"

Specifications

- On a 12"x12" playing field, travel to the enemy zone via the overhead zip line or shallow water crossing as specified
- Capture the enemy flag in the search zone by beeping 3 times
- Localize in 30 seconds and complete the task in 5 minutes



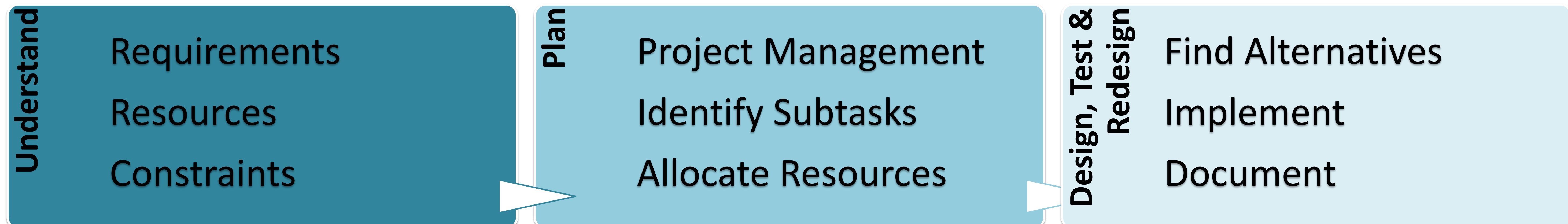
Management



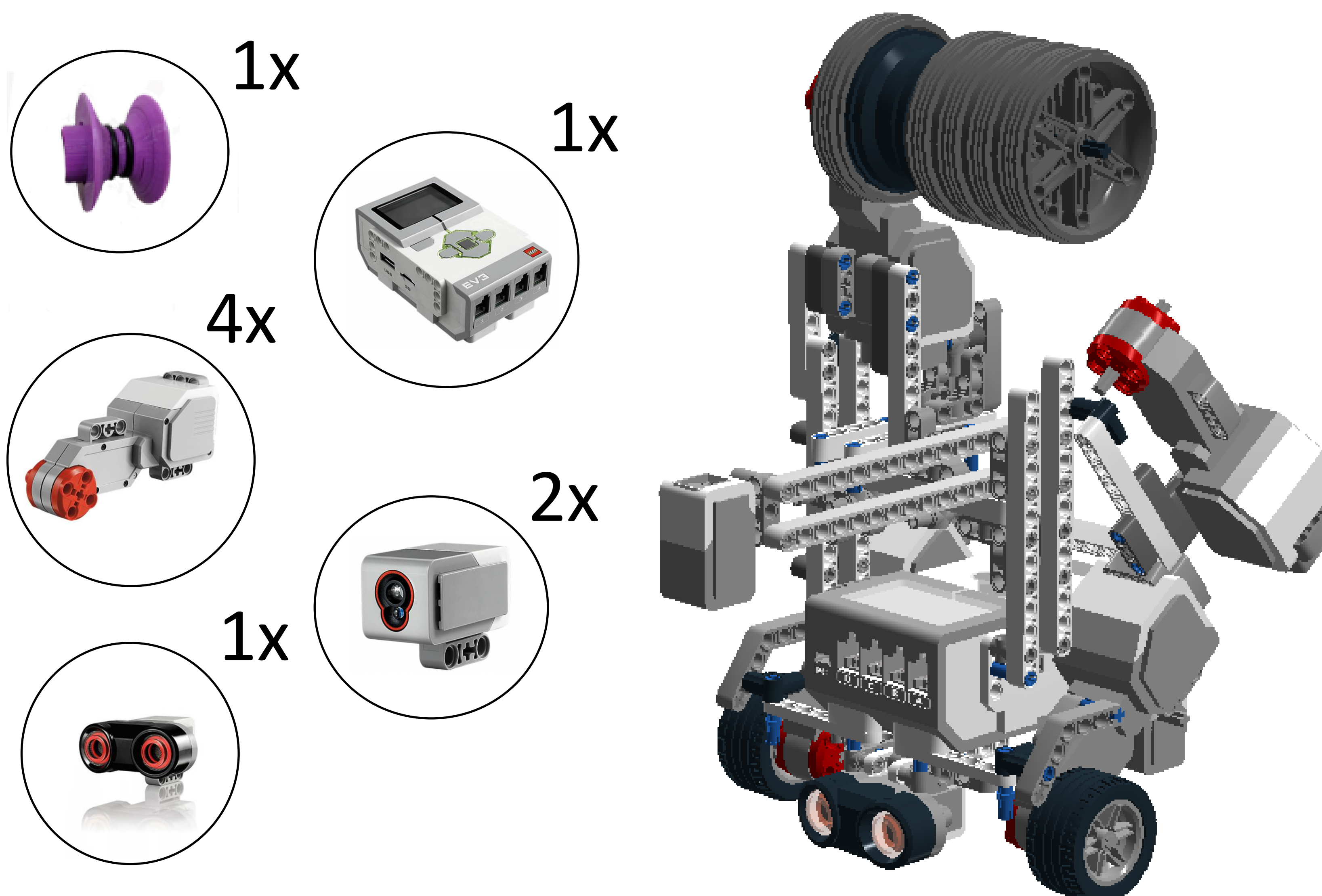
Total Budget Used:



Design Process



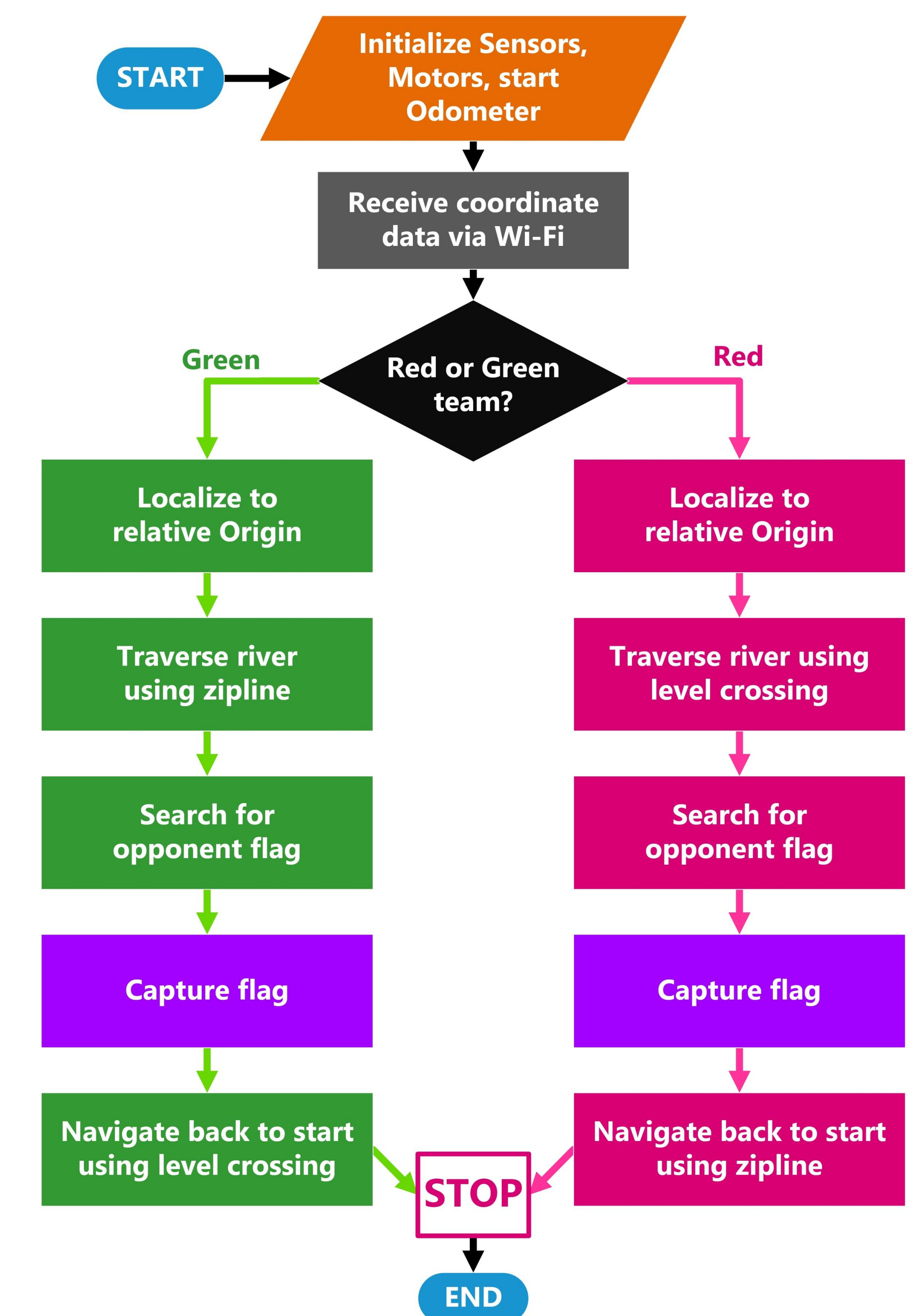
Hardware



Software

Key features in our software system:

- Code modularity
- Rich Javadoc API
- Minimal threading and recursion



Testing



Tools

