
A Basic “Fetch & Carry” Architecture for the youBot

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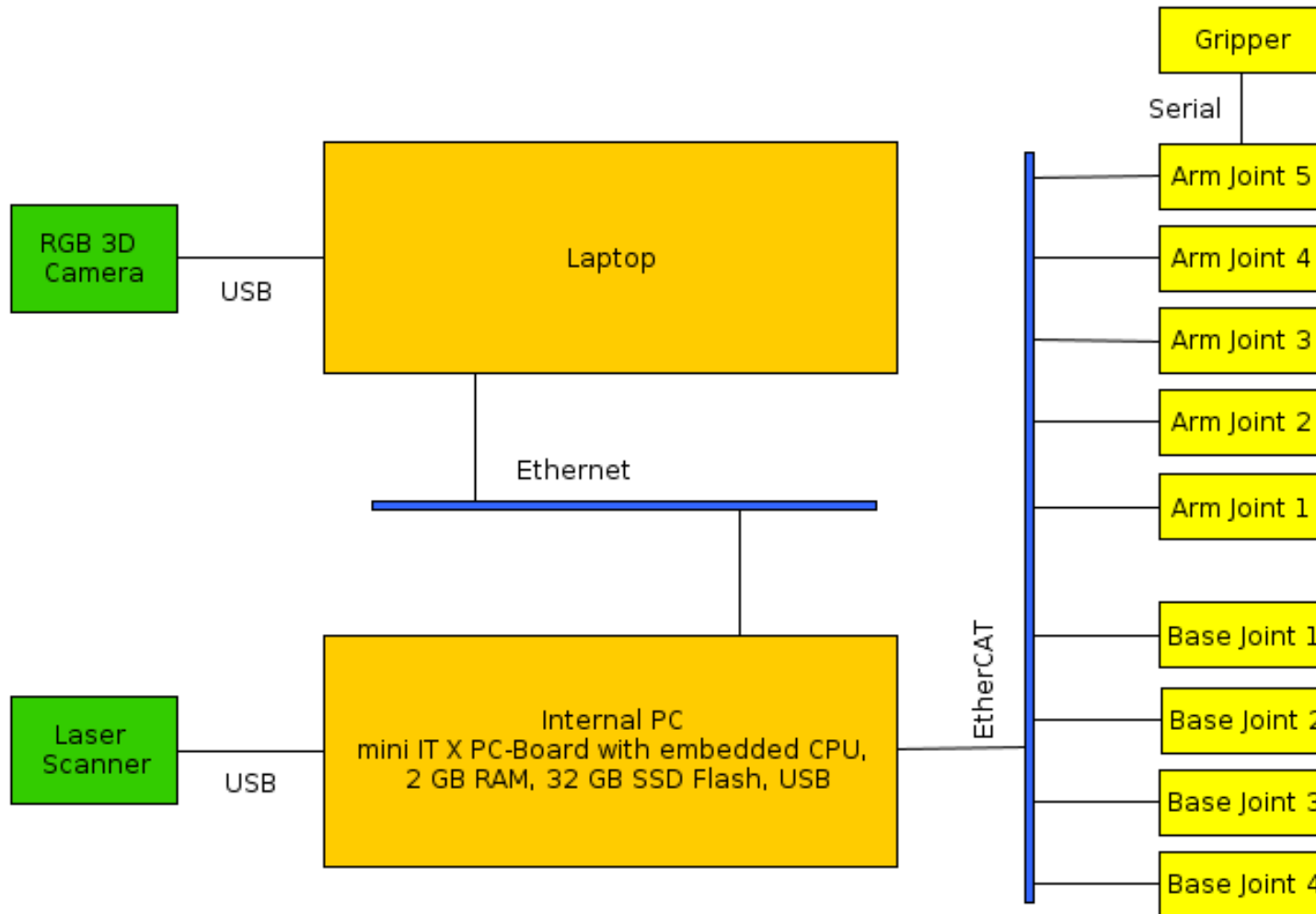


Architecture Problems

- Think critically about the following diagrams, e.g. about
 - ... granularity
 - ... modularity
 - ... networkload
 - ...
- How did/would you design the architecture of our robotic system (youbot)?



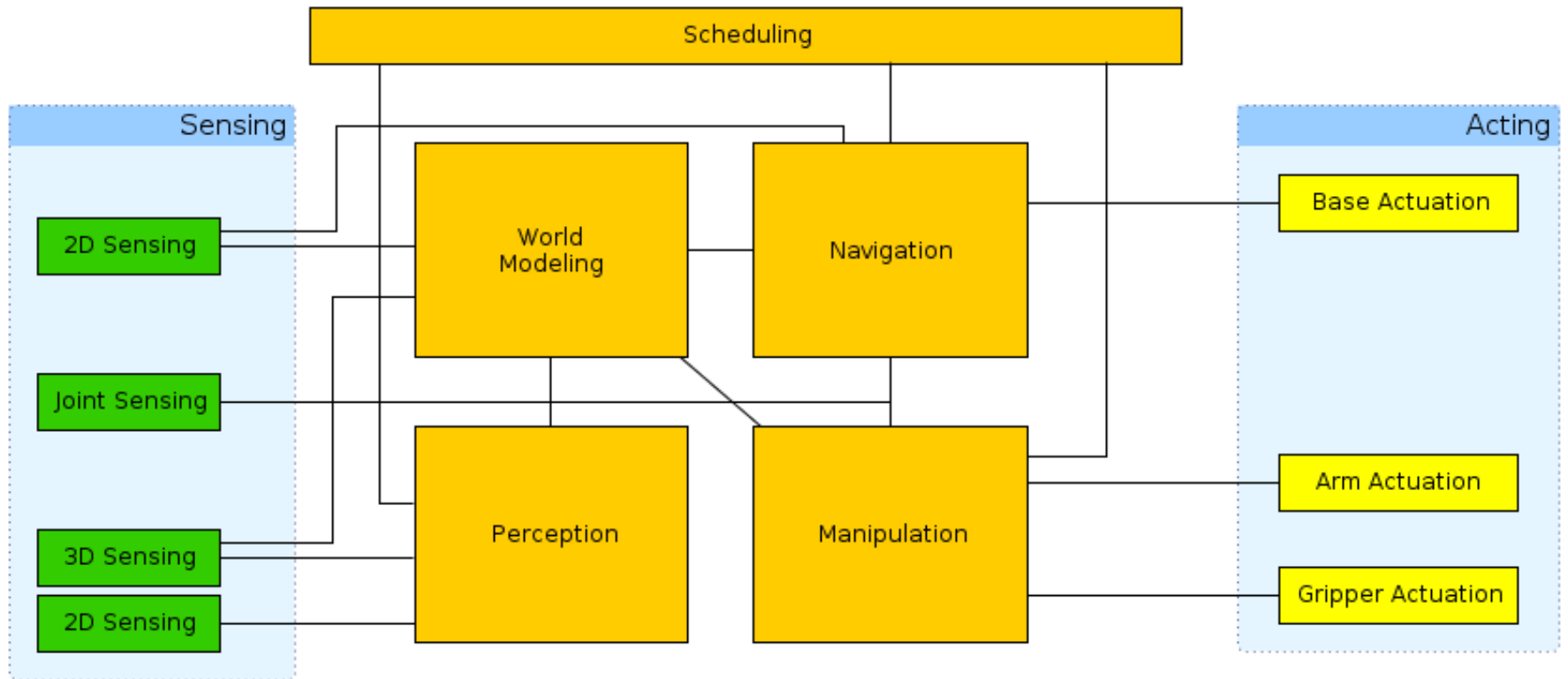
Computational Architecture





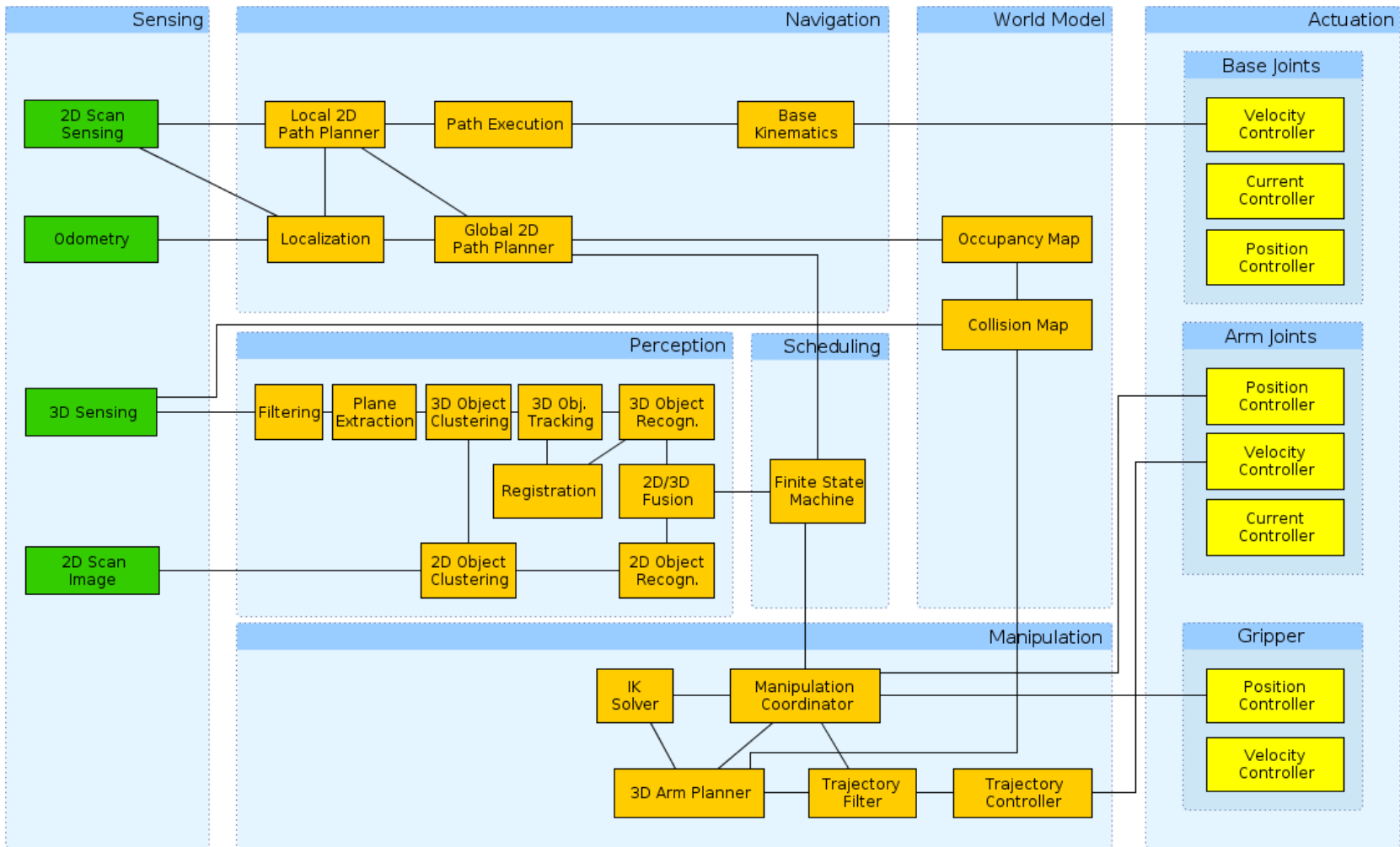
Functional Architecture

Coarse-grained



Functional Architecture

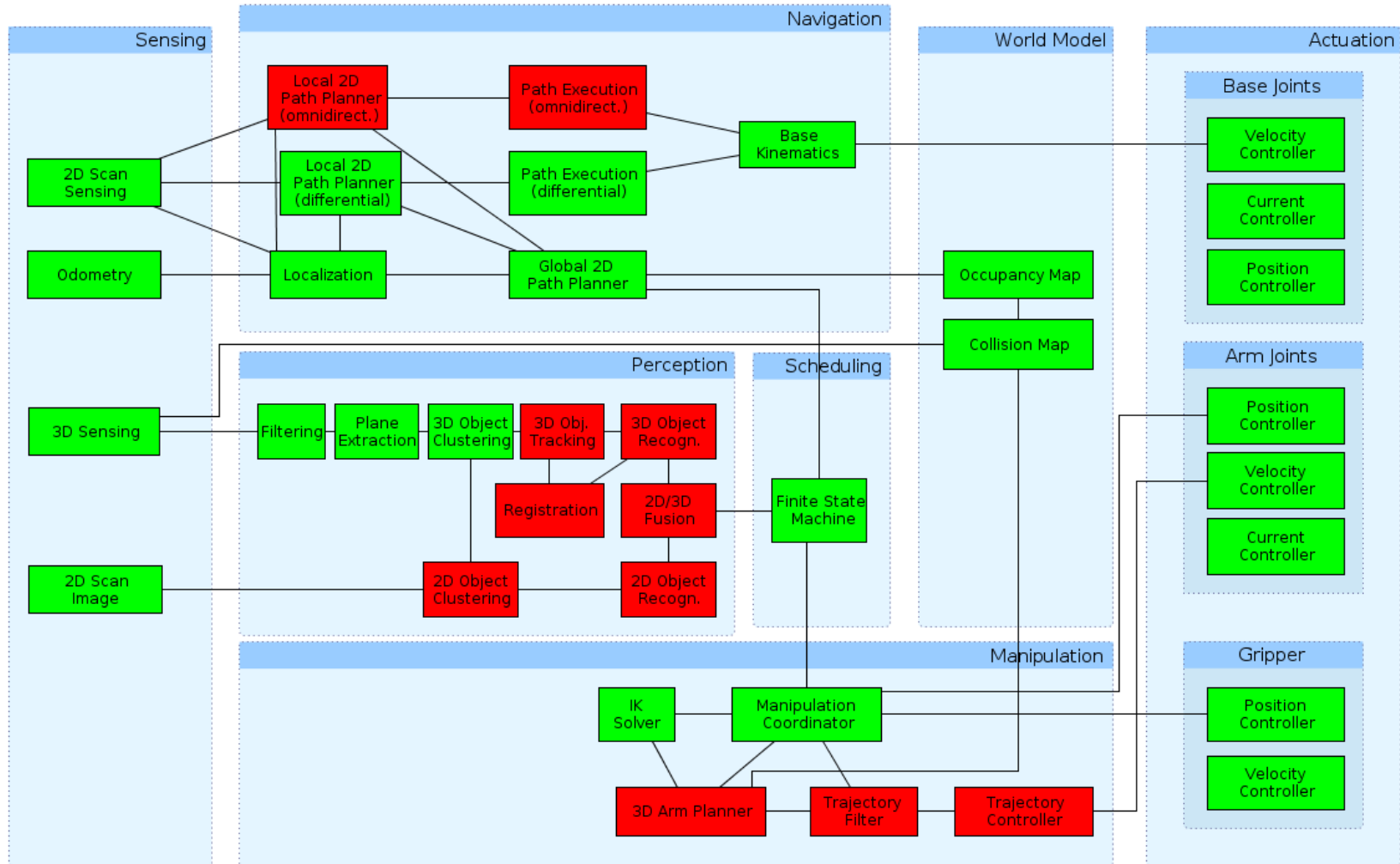
Fine-grained





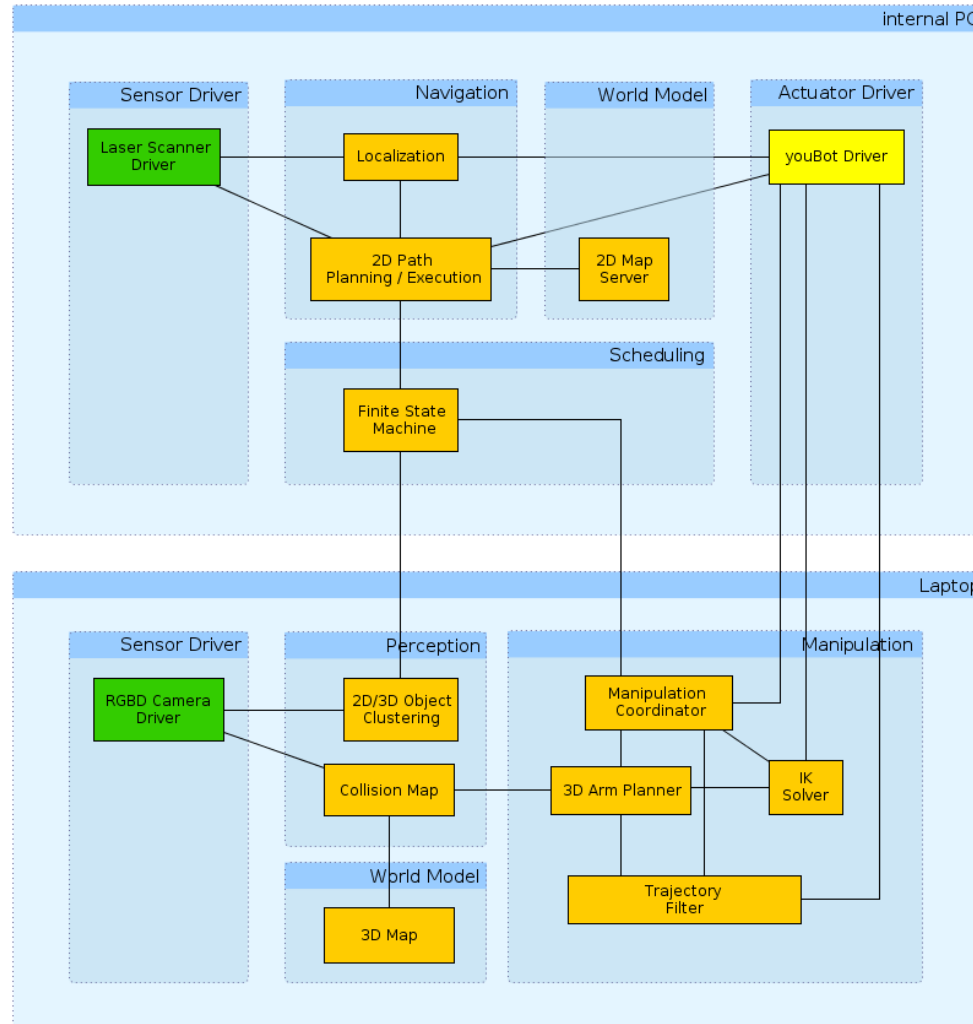
Functional Architecture

Integrated Features





Deployment/Runtime Architecture





Discussion

Discussion