Last Time

• Finite State Machines in code
• Project 4
Today

• More project 4

Homework 4 due tonight @ 5:00
Project 4

Option 2

• FSM implementation
• FSM-based control
• Implementing trajectory generators for throttle and heading
Option 1

• Height sensing
  – FSMs implementation in ISRs
  – Triggering the sonar
  – Reading out the return time
  – Estimating the distance

• Height control
  – “Integration” controller
Project 4 Exercise

Option 1
• What is the FSM? (states, events, outputs)
• How is the FSM implemented in the ISR?

Option 2
• Sketch the FSM implementation in code
  – Section of code for each state
  – How are the events detected?