

CALIFORNIA INSTITUTE OF TECHNOLOGY
Control and Dynamical Systems

CS/EE/ME 75a
Homework Set #6

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Winter 2005

Issued: 17 Jan 05
Due: 24 Jan 05

Recommended reading: McRuer et al, Chapter 9 (available on the course web page)

1. Working with your team, update your status chart to show the components and interfaces that will be tracked by the team for winter term. Each item in the chart should have an owner (or owners) that will be responsible for coordinating work on the component or interface. Include a link to your status chart on your user page (for easy grading), your individual team page, and the race teams page (accessible from the man wiki page). (Estimated time required: 1 hour, including team and subteam meetings.)
2. Working individually, create a component page for at least one of the components that you are responsible for this term. Each component page should contain the following information:
 - Component Description – 1 paragraph description of the component and its role, written so that it is understandable to non-experts. Include any appropriate links to documentation that is relevant for the component.
 - Component Owners – List current and past owners for this component, with links to their user pages.
 - Component Specifications – Give a specification for the component that describes the level of performance that the component should achieve by the end of the term. List the specific test that will be used to verify the performance and indicate whether the component performance will be tested within a given field test.
 - Component Interfaces – List all other components that link to this (physical, electrical, software).

For the component that you document as part of your homework, including a link on your user page that includes the string “CS/EE/ME 75, HW 6” after the component link (this will be used to determine which component to grade). (Estimated time required: 30 minutes, including team and subteam meetings.)

Notes:

- If you are working on a component that has multiple students, you should identify individual pages that each student will work on (could be part of the general team pages, not just the subcomponent you are working on).
 - A component description template is available on the page `Component:IPT_Template` within the wiki.
3. If you were a member of the W3 field test team (see wiki page), send Richard a paragraph or two describing things we should do differently in planning and executed the W6 field test.