













- Detailed requirements specification document Shows that you understand well what is being built
- Detailed design document
 - Shows that you know how to build it
- Test plan document
- Schedule and task assignments
- Presentation

Note: These are all *evolving* documents, not set in stone. The LCA deliverables represent your latest understanding of what the issues are and what solutions you are envisioning.

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Describing Specifications, Architectures, and Other Beasts

- A specification or design document must be understandable to not only its author.
 - => Standard ways are needed to unambiguously express common relationships in a system.
- Standard notations exist, some of which we will discuss in class
 - n Diagrams, description languages, etc.
 - You will be expected to use those in your LCA document.

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LCA Milestone Deliverables in a Bit More Detail

- Detailed requirements specification document
 - From the point of view of the customer
 - Techniques: use cases, commonality and variability analysis, prototyping
- Detailed architecture document
 - Technical, reasonably detailed description of:
 - system modules and interfaces between them
 - Identifies assumptions and high-risk areas and proposes realistic solutions and/or alternatives Notations: state/dataflow diagrams, sequence diagrams, class diagrams; UML

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LCA Milestone Deliverables in a Bit More Detail (cont.)

- Test plan document
 - High level strategy: what will be tested, what won't, and why
 - How you plan to test your product in a disciplined way If you can't test it easily, something is likely wrong with the design.
 - A set of actual test cases, based on an established methodology
 - Methodology: **S**tructure/**F**unction/**D**ata/**P**latform/**O**perations (SFDPO)
- Schedule and task assignments
 - The actual plan of work
 - How the project will be specifically split into milestones
 - Who will take on which piece of the puzzle?

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LCA Milestone Deliverables – in a Bit More Detail (cont.)

- n Presentation
 - Before your (true or surrogate) customers
 - Will allow more time to cover important aspects and for audience to dissect weaker points

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