





















## Project Milestone Planning Milestone planning is used to show the major steps that are needed to reach the goal on time Milestones typically mark completion of key deliverables or establishment of baselines Baseline: when a work product is put under configuration management and all changes are controlled Often associated with management review points E.g., Requirements baseline, project plan complete, code ready to test Can use Gantt or PERT charts to show milestones

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## A Simple Alternative View Edit Page History Comments Version 31, last updated by Christine Nguyen at Dec 01 12:37 2011 Project Schedule and Milestones A- A+ 🚔 🕥 Project Plan for Phase 2 of Project (Finished) Blue means that it was completed Red means that is was not completed Week 1 (11/6-11/12) Create splash screen to display a selection of game rules to choose from (Zeyu and Jasmine) Implement functionality of storing and displaying several different game rules (Chris) Create another smi file for a new game manual (Chris)\*\*Since we're creating a writer, we'll wait for the writer to be functional to create new smi files\*\* Test and fix bugs of multi-game rule functionality (Sean) Update Software Documentation, Software Requirements Use-Cases, and ConOps to include information on multi-game functionality. (Christine) Week 2 (11/13-11/19) Create UI prototype for writer. Nothing has to be functional. (Zeyu and Jasmine) Implement image enlarger (Zeyu) In the xml parser, add interface for writer in parser. (Chris) Test the prototype (Sean) Include another Subset in Software Requirements (Christine) · Update ConOps to include information on multi-game functionality (Christine CIS 422/522 Fall 2011 16

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## Meeting Developmental Goals Means...

- We have a clear understanding of customer needs and product goals
- External view: We develop products the customer's wants, on time and within budget
- Internal view: We create process and product infrastructures supporting our business goals
- For most developments, these are "document" driven

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Choosing a Process (Review) Goal: proceed as rationally and systematically as possible from a statement of goals to a design that meets those goals with development constraints Choose a process to provide an appropriate level of control for the given product and context - Sufficient control to achieve results - No more than necessary to contain cost and effort Development goals: want to choose a process that supports • project development and addresses risks - Schedule - Failure to deliver working software Instructional goals: process must also support learning software engineering - Provide experience with a range of artifacts for all team members - Support teacher evaluation

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## **Course Approach**

- Will learn a document-driven approach
- · Provides broader experience with development roles, activities, and artifacts
- · Supports external tracking and review
- · Appropriate for a broader range of development situations
- · Nothing additional is needed to switch to agile

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