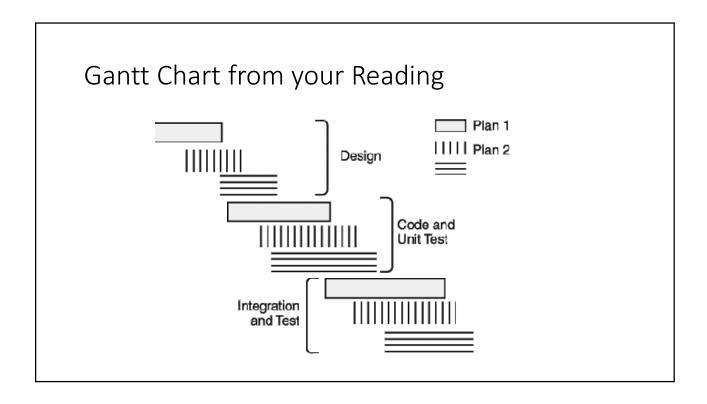
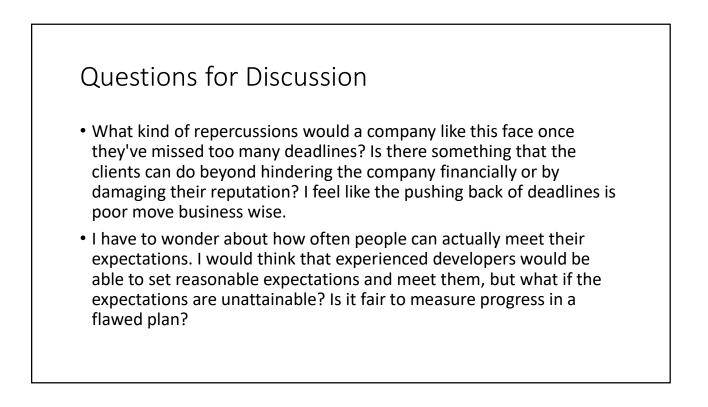
## Tracking Project Progress

CSCI 3300/5300

### Reading Overview

- Activity Based Measure of Progress: percent of planned activities complete
- Product Based Measure of Progress: percent of completed activities
- Other concepts:
  - Gantt chart
  - Earned Value Analysis





### Statements for Discussion

- Progress management tools have no real application beyond visualizing progress. They are however, an excellent way to hone in on questions that pertain to the overall status. In short, these tools reduce time wasted and clarify the project's situation.
- Near real time: the measurements should reflect what is going on in the project now, not what happened a month ago. We want to be managing the present, not the past.
   Prediction: The measure must support projections about future progress. Simply knowing that a project is behind schedule is not enough. We also need to predict when it will be complete.

### Clarifications

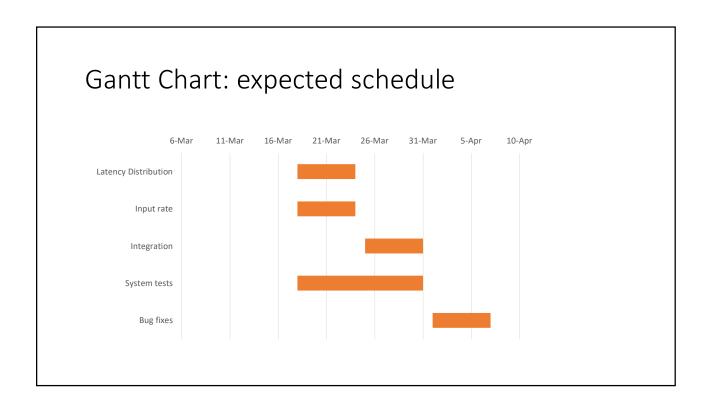
• I think that having only a manager giving the estimate of how complete a part of a project is one-sided. Having all of the team members evaluate the progress on a task I feel would give a better estimate of the completion of a task.

# Activity Based Measure of Progress Latency distribution calculation: 50% done Update Stats module Unit test Input data rates on per-microsecond basis: 50% done Update Input module Unit test Integration: 0% done Integration: 0% done Integrate updated Input module Integrate updated Stats module Write system level tests: 30% done Test case 1 Test case 1 Test case 2

- Test case 3
- Execute tests/fix bugs: 0% done

### High Level Schedule

	Start	End
Latency Distribution	18-Ma	r 24-Mar
Input rate	18-Ma	r 24-Mar
Integration	25-Ma	r 31-Mar
System tests	18-Ma	r 31-Mar
Bug fixes	1-Ap	r 7-Apr



Relative w	eights					
	Cigitts					
						dunation /Tatal
		_			-	duration/Total
	Start				weight	
Latency Distribution		18-Mar	24-Mar	6	0.162162	
Input rate		18-Mar	24-Mar	6	0.162162	
Integration		25-Mar	31-Mar	6	0.162162	
System tests		18-Mar	31-Mar	13	0.351351	
Bug fixes		1-Apr	7-Apr	6	0.162162	
Total				37	1	
					Total woir	t must be 1 (100%)
						(100%)

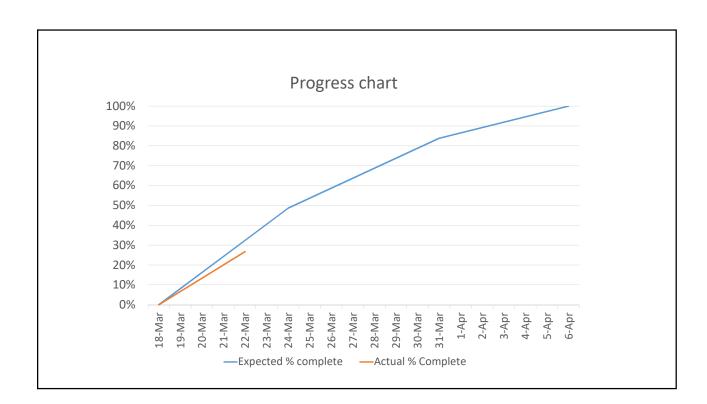
### Expected Weighed Percent Complete

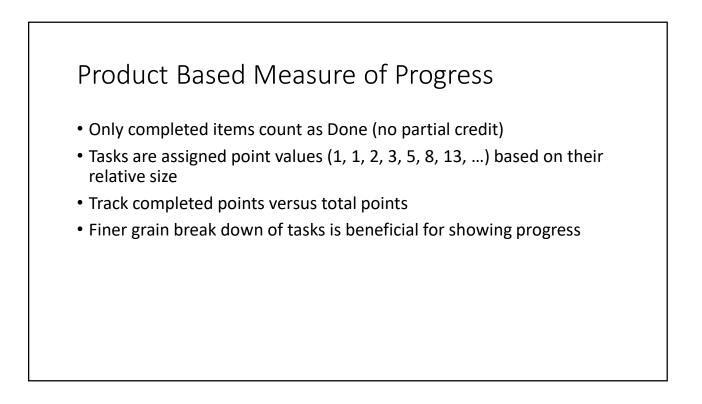
	Start	End	Duration	Weight	22-Mar	24-Mar	31-Mar	7-Apr
Latency								
Distribution	18-Mar	24-Mar	. 6	0.162	10.81%	16.22%	16.22%	16.22%
Input rate	18-Mar	24-Mar	. 6	0.162	10.81%	16.22%	16.22%	16.22%
Integration	25-Mai	<sup>-</sup> 31-Mar	. 6	0.162	0.00%	0.00%	16.22%	16.22%
System tests	18-Mar	- 31-Mar	13	0.351	10.81%	16.22%	35.14%	35.14%
Bug fixes	1-Apr	r 7-Apr	. 6	0.162	0.00%	0.00%	0.00%	16.22%
Total			37	7	32.43%	48.65%	83.78%	100.00%

If a given DATE is after activity's start date and before end date, expected weighted % complete for that activity for that DATE is: WEIGHT \* (DATE-START)/DURATION \* 100% If DATE is at or after end date, expected weighted % complete for that activity for that DATE is WEIGHT \* 100%

### Actual Weighted Percent Complete per Activity

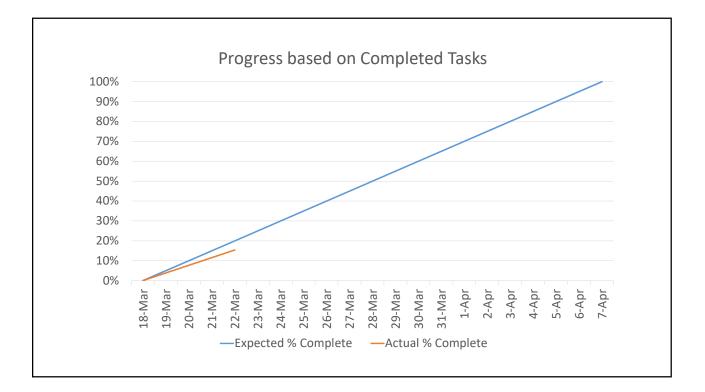
			Weighted %
	weight	% Complete	Complete
Latency Distribution	0.162162	50%	8%
Input rate	0.162162	50%	8%
Integration	0.162162	0%	0%
System tests	0.351351	30%	11%
Bug fixes	0.162162	0%	0%
Total	1		27%





### Task Board

Task	Status	Points
Update Stats Module	Done	2
Unit tests for Stats Module	Todo	1
Fix errors found with unit tests (stats module)	Todo	1
Update Input Module	Done	2
Unit tests for Input Module	Doing	1
Fix errors found with unit tests (input module)	Todo	1
Integrate Input module	Todo	2
Integrate Stats Module	Todo	2
Write system test case 1	Doing	3
Write system test case 2	Todo	3
Write system test case 3	Todo	3
Execute tests, fix bugs	Todo	5
Total		26



# Which progress report is more accurate and why?

Activity Based

**Product Based**