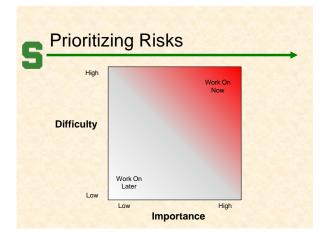




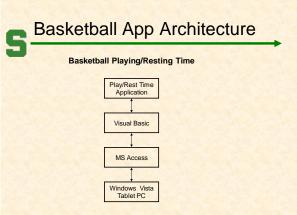
Example Risks

- Including but not limited to ...
- Key Application Features
- Hardware Systems
- Software Systems
- Development / Programming Environments
- Programming Languages
- Etc...



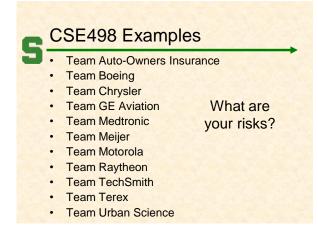








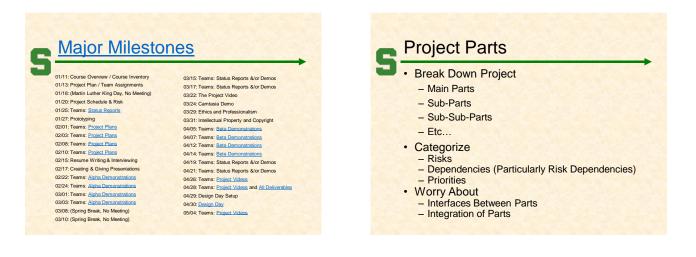




Project Schedule and Risk ☑Risk ☑Project Schedule

Teamwork



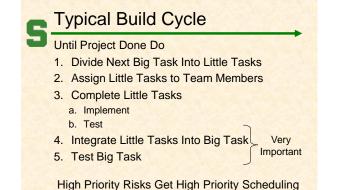


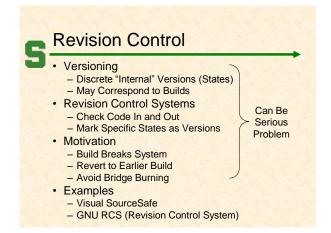
Building A Project Schedule

Start With Fixed Course Milestones

- · Estimate Times for Tasks for Parts
 - Building
 - Integrating
 - Testing
- Assign Tasks to Team Members
- Must Keep Everyone Busy All the Time
- Use "Short" Deadlines (E.g., 2-3 Days) Why?
- Document and Track
 - Microsoft Project?
 Collaboration Tool?

- Estimating Time for Tasks
 - Rough Estimate
 - Intuition
 - Experience
 - Refined Estimate
 - Prototype or Partial Build
 - Extrapolation
 - E.g., 2 Days to Build $1 \rightarrow 6$ Days to Build 3
 - Keys
 - Be Realistic
 - Include Buffer Time if Unsure
 - · Adjust Schedule Accordingly







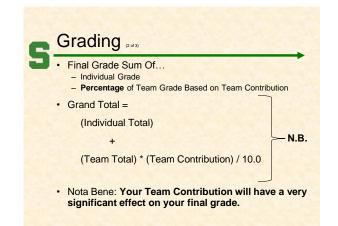
S Team Organization • Up to Each Team

- Organize into Roles
 - Client Contact
 - Program Manager
 - Developer
 - Tester
 - Systems Administrator
 - Web Master
 - Etc...
- Everyone Must Make Technical Contributions

Team Dynamics

- Key to Success
- Significant Component of Course Grade
- Address Problems Immediately
 - Within Team
 - With Dr. D. and/or Ken
- Be Ready to Discuss During Interviews

• Team (70%)	
 Project Plan Document & Presentation 	10
 Alpha Demonstration 	10
 Beta Demonstration 	10
 Project Video 	15
 Project Software & Documentation 	15
- Design Day	5
- Team Web Site	<u>5</u> 70
	70
Individual (30%)	
- Technical Contribution	10
- Team Contribution	10
- Team Evaluation	5
- Class Meeting Attendance	5
g	<u>5</u> 30





Team of Peers

Effective Team Members

- Relate as Equals
- Have Specific Roles and Responsibilities
- Respect Specific Roles and Responsibilities
- Empowers Individuals in Their Roles
- Have Specific Skills
- Hold Each Other Accountable
- Drive Consensus-Based Decision-Making
- Give All Members a Stake in the Project

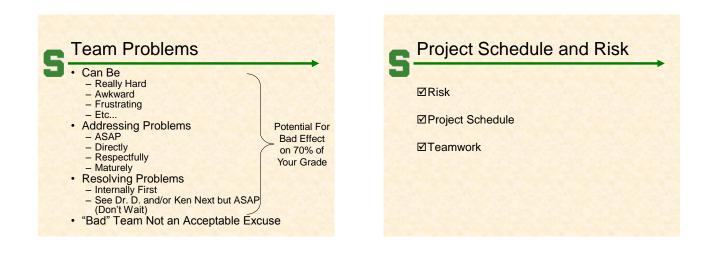
Potential Problems

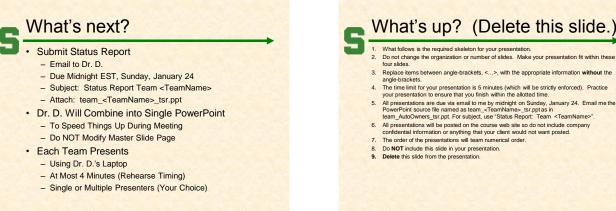
- Over and/or Under
- Bearing
- Qualified
- Achiever
- Etc...

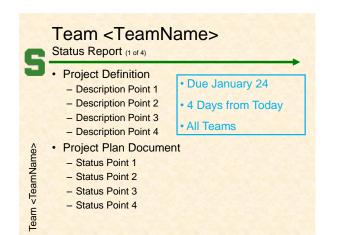
Mutual Responsibility

- · You are your "brother's/sister's keeper".
- Responsible For
 - Your Contribution
 - And
 - Your Teammates' Contributions
- What Won't Work
 - "They never asked me to do anything."
 - "They never let me do anything."
 - "He/she never asked to do anything."
 - "He/she never wanted to do anything."
 Etc...

- Team Evaluation Form
 - 5% of Final Grade
 - Rate Each Team Member
 - Overall Effort
 - Overall Performance
 - Other Questions
 - 8. Describe the contributions of each team member, starting with you. Be specific. Include comments about your/their individual technical contributions as well as your/their contributions to the team as a whole.
 - 9. Whom do you feel did the best (either in effort or overall contribution to the team)? Why? Be specific.
 - 10. Whom do you feel did the worst (either in effort or overall contribution to the team)? Why? Be specific.







Team <teamname> Status Report (2 of 4)</teamname>	
 Server Systems / Software Description &/or Status Point 1 Description &/or Status Point 2 Development Systems / Software Description &/or Status Point 1 Description &/or Status Point 2 Web Site Status Point 1 Status Point 2 	

Status Report (3 of 4) Client Contact Status Point 1 Status Point 2 Team Meetings Status Point 1 Status Point 2 Team Organization Description Point 1 Description Point 2

	eam <teamname></teamname>
3.	Risks
	– Risk 1
	Description
	Mitigation
	– Risk 2
	Description
	Mitigation
	– Risk 3
	Description
	Mitigation
	– Risk 4
	Description
	Mitigation