

NSG Software Development

Preliminary Design Presentation

December 5, 2005

Welcome

*Ms. Jami Cotler
&
Dr. Scott Hunter*

NSG Software Development

- ~ Matthew Warner - Team Leader
- ~ Kristen Dobreski - Librarian
- ~ Justin Spegele - Webmaster
- ~ Daniel Lomanto - Software Developer

Preliminary Design

December 5, 2005

~Presented By:

~Matthew Warner

~Daniel Lomanto

~Justin Spegele

Agenda

- ~ Introduction, Recap, and Functional Requirements by Matthew Warner
- ~ Use Cases and Development & Production Environments by Daniel Lomanto
- ~ DFD's and Prototypes by Justin Spegele
- ~ Conclusion by Matthew Warner

Recap

- ~ First we found out the the overall goal of this software was.
- ~ We had weekly meetings to determine the roles and characteristics of each person who will use the software.
- ~ Discussed how the Course Coordinator, Lecturers, and students would like to be able to perform their appropriate tasks.
- ~ Created basic prototypes of how the software will look.

Functional Requirements

- ~ This software will serve four parties:
 - ~ Course Coordinator
 - ~ Lab Instructor
 - ~ Lecture Instructor
 - ~ Student

Course Coordinator

- ~ Have a given username and password.
- ~ Access to every lab that has been submitted and/or graded.
- ~ Add/edit accounts for all types of users.

Course Coordinator Cont'd

- ~ Upload Grading Key
- ~ Change their password.
- ~ Reset passwords for all accounts.
- ~ Login with assigned username and password.

Lab Instructor

- ~ Grade labs for appropriate sections.
- ~ Change Password.
- ~ May view labs that have been submitted and/or graded.
- ~ May change any answers that were marked as incorrect
- ~ Login with assigned username and password.

Lecture Instructor

- ~ View Grades.
- ~ The Lab Instructor will be able to make any corrections they see fit in lab grades due to multiple correct answers for questions.
- ~ Change Password.
- ~ Login with assigned username and password.

Student

- ~ Login with assigned username and password.
- ~ The Student may submit a lab that may be due.
- ~ Change their password.
- ~ Check grades.
- ~ Submit labs.

Use Cases

Course Coordinator

- ~ The Course Coordinator will upload the grading key for each excel lab.
- ~ The Course Coordinator may view lab summaries of all students enrolled in a lab section.
- ~ The Course Coordinator may add/edit new Student accounts to the system.

Course Coordinator Cont'd

- ~ The Course Coordinator may also add Instructor accounts to the system.
- ~ The Course Coordinator may also change their password.

Lab Instructor

- ~ The Lab Instructor will be given a username and password to log on to the system.
- ~ The Lab Instructor will be responsible for grading all of the submitted labs for their appropriate sections.
- ~ The Lab Instructor will be able to view the grade summaries of each student in their lab section.

Lab Instructor Cont'd

- ~ The Lab Instructor will be able to make any corrections they see fit in lab grades due to multiple correct answers for questions.
- ~ The Lab Instructor may also change their password.

Lecture Instructor

- ~ The Lecture Instructor will be given a username and password to log on to the system.
- ~ The Lecture Instructor will be able to view the grades of their students either by section or all at once.
- ~ The Lecture Instructor may also change their password.

Student

- ~ Each Student will have a username and password so they may login to the system.
- ~ The Student may submit a lab that may be due.
- ~ The Student may change their password.
- ~ The Student may check the grades of all labs that have been graded by Lab Instructor.

Development and Production Environments

- ~ Development Environments:
 - ~ Server: Apache 2.0.46 or better
 - ~ Web Language: PHP 4.3.11 or better
 - ~ Database Language: MySQL 4.1.14 or better

Development and Production Environments

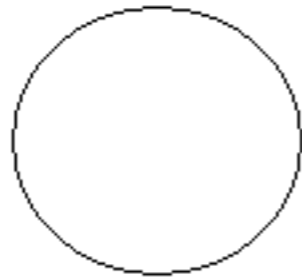
- ~ Production Environments:
 - ~ Minimum 10 mb disk space
 - ~ Mac OS X
 - ~ Windows XP, Windows 2000
 - ~ Redhat Enterprise Linux ES 3
 - ~ kernel version 2.4.21-4.E1

DFD

DFD Key



Data Flow

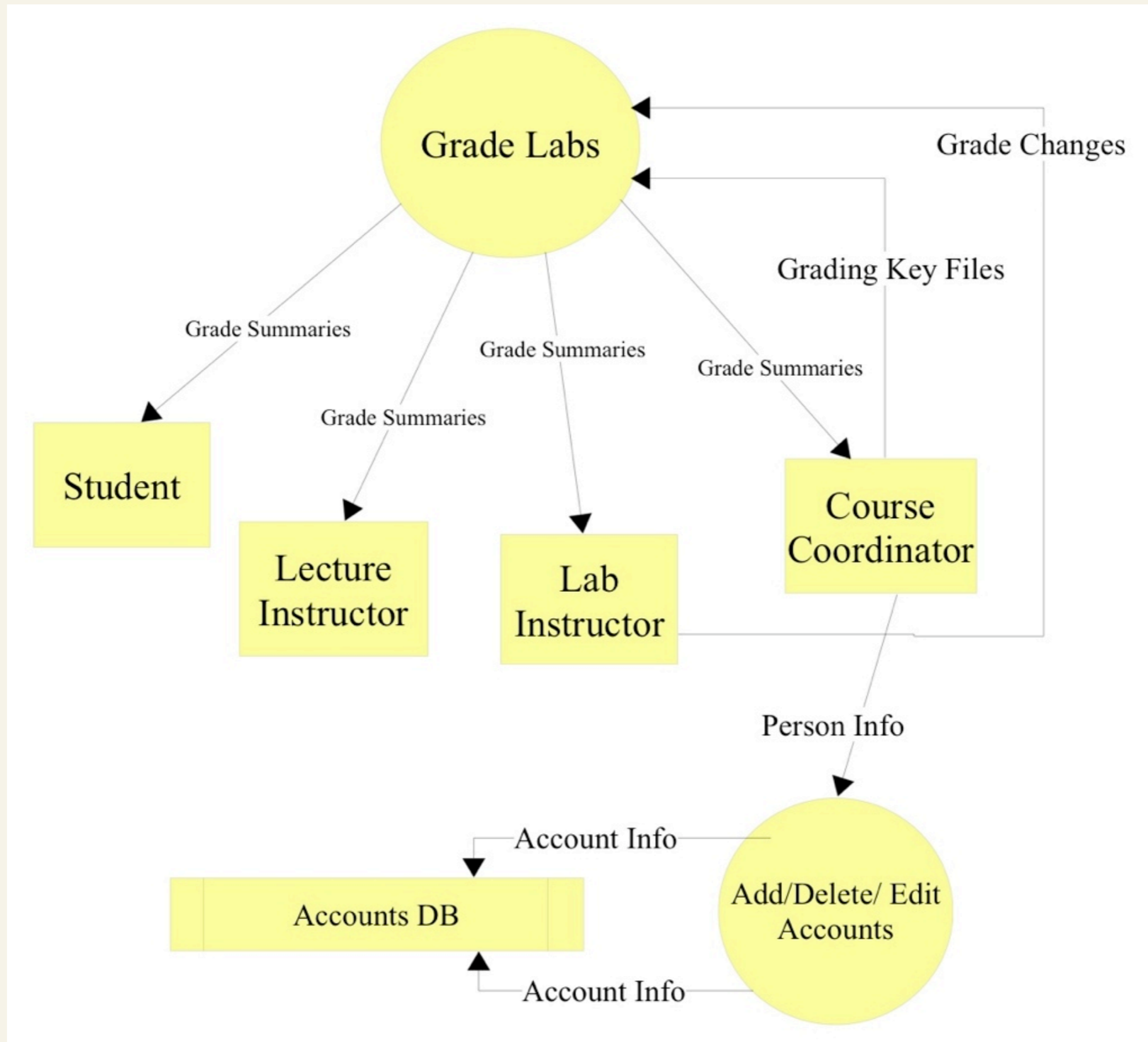


**A Transformation or
Transaction**



Source or Sink

Level 0



Prototypes

Home Page



Please login below:

Username:
Password:

Or register register a new account: [Students](#) | [Lecture Instructors](#) | [Lab Instructors](#)

Course Coordinator - New Student

XLS Grade Beta 1.0

My Account

[Exit](#)

Tools

[Create New Account](#)

Welcome to XLS Grade

Account/Site News

Create a new Student Account

Fill in each of the following fields.

XLS Password [\(What's this?\)](#)

First Name

Middle Initial (not required)

Last Name

SID

E-mail

Birthdate

mm/dd/yyyy

Lab Section

Select One ▼

Lecture Session

Select One ▼

Course Coordinator - New Instructor

XLS Grade Beta 1.0

My Account

[Exit](#)

Tools

[Create New Account](#)

Welcome to XLS Grade

Account/Site News

Create a new Instructor Account

Fill in each of the following fields.

XLS Password	(What's this?)	<input type="text"/>
First Name		<input type="text"/>
Last Name		<input type="text"/>
ID		<input type="text"/>
E-mail		<input type="text"/>
Birthdate		<input type="text" value="mm/dd/yyyy"/>
Lecture Session		<input type="text" value="Select One"/>

Course Coordinator - Upload Key

XLS Grade Beta 1.0

My Account

[Logout](#)

[Change Password](#)

Tools

[Upload Grading Key](#)

[View Grading Summaries](#)

[Create Student Account](#)

[Edit Student Account](#)

[Create Instructor Account](#)

[Edit Instructor Account](#)

[Add/Delete Lecture Section](#)

[Add/Delete Lab Section](#)

Welcome Ms. Cotler (Course Coordinator)

Account/Site News

Choose Key Files to Upload

Lab Template:

Browse

Grading Guide:

Browse

Upload

Course Coordinator - View Summaries

XLS Grade Beta 1.0

My Account

[Logout](#)

[Change Password](#)

Tools

[Upload Grading Key](#)

[View Grading Summaries](#)

[Create Student Account](#)

[Edit Student Account](#)

[Create Instructor Account](#)

[Edit Instructor Account](#)

[Add/Delete Lecture Section](#)

[Add/Delete Lab Section](#)

Welcome Ms. Cotler (Course Coordinator)

Account/Site News

View Grading Summaries

View Reports By:

Student: User Name Lab

Lab Section:

Lecture Section:

Question: Number Lab

Course Coordinator - Edit Student

XLS Grade Beta 1.0

My Account

[Logout](#)

[Change Password](#)

Tools

[Upload Grading Key](#)

[View Grading Summaries](#)

[Create Student Account](#)

[Edit Student Account](#)

[Create Instructor Account](#)

[Edit Instructor Account](#)

[Add/Delete Lecture Section](#)

[Add/Delete Lab Section](#)

Welcome to XLS Grade

[Account/Site News](#)

Edit Student Account

Info for John Q. Smith

First Name	<input type="text" value="John"/>
Middle Initial (not required)	<input type="text" value="Q"/>
Last Name	<input type="text" value="Smith"/>
SID	<input type="text" value="901555555"/>
E-mail	<input type="text" value="jq01smit@siena.edu"/>
Birthdate	<input type="text" value="01/01/1985"/>
Lab Section	<input type="text" value="CSIS01005"/>
Lecture Session	<input type="text" value="CSIS0105F"/>

Course Coordinator - Edit Instructor

XLS Grade Beta 1.0

My Account

[Logout](#)

[Change Password](#)

Tools

[Upload Grading Key](#)

[View Grading Summaries](#)

[Create Student Account](#)

[Edit Student Account](#)

[Create Instructor Account](#)

[Edit Instructor Account](#)

[Add/Delete Lecture Section](#)

[Add/Delete Lab Section](#)

Welcome to XLS Grade

Account/Site News

Edit Instructor Account

Info for Dr. Hunter

First Name	<input type="text" value="Scott"/>
Last Name	<input type="text" value="Hunter"/>
SID	<input type="text" value="01"/>
E-mail	<input type="text" value="shunter@siena.edu"/>
Lab Section	<input type="text" value="CSIS01005"/>
Lecture Session	<input type="text" value="none"/>

Course Coordinator - Edit Lecture

XLS Grade Beta 1.0

My Account

[Logout](#)
[Change Password](#)

Tools

[Upload Grading Key](#)
[View Grading Summaries](#)
[Create Student Account](#)
[Edit Student Account](#)
[Create Instructor Account](#)
[Edit Instructor Account](#)
[Add/Delete Lecture Section](#)
[Add/Deletes Lab Section](#)

Welcome Ms. Cotler (Course Coordinator)

Account/Site News

Add a Lecture Section

CSIS01005

OR

Section:

Instructor:

Course Coordinator - Edit Lab Section

XLS Grade Beta 1.0

My Account

[Logout](#)

[Change Password](#)

Tools

[Upload Grading Key](#)

[View Grading Summaries](#)

[Create Student Account](#)

[Edit Student Account](#)

[Create Instructor Account](#)

[Edit Instructor Account](#)

[Add/Delete Lecture Section](#)

[Add/Delete Lab Section](#)

Welcome Ms. Cotler (Course Coordinator)

Account/Site News

Add a Lab Section

CSIS0105F ▾

Delete Section

OR

Section:

Instructor: Scott Hunter ▾

Add Section

Lab Instructor - View Grades

XLS Grade Beta 1.0

My Account

[Logout](#)

[Change Password](#)

Tools

[View Grading Summaries](#)

[View Grades](#)

[Find a Student](#)

Welcome Dr. Hunter (Lab Instructor)

Account/Site News

View Grades

Name	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Midterm	Average
Student 1	85%	88%	85%	98%	92%	88%	89.33%
Student 2	85%	75%	80%	82%	78%	76%	79.33%
Student 3	95%	98%	100%	100%	92%	96%	96.83%
Student 4	91%	94%	94%	98%	96%	100%	95.50%
Student 5	82%	87%	90%	89%	94%	89%	88.5%

Lab Instructor - Student Search

XLS Grade Beta 1.0

My Account

[Logout](#)

[Change Password](#)

Tools

[View Grading Summaries](#)

[View Grades](#)

[Find a Student](#)

Welcome Dr. Hunter (Lab Instructor)

[Account/Site News](#)

Student Search

Search by Last Name:

Search by User Name:

Lab Instructor - View Student

XLS Grade Beta 1.0

My Account

[Logout](#)

[Change Password](#)

Tools

[View Grading Summaries](#)

[View Grades](#)

[Find a Student](#)

Welcome Dr. Hunter (Lab Instructor)

Account/Site News

Student Search

John Q. Smith

jq01smit@siena.edu

Lecture: CSIS01005

Lab: CSIS0105F

Name	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Midterm	Average
Student 1	85%	88%	85%	98%	92%	88%	89.33%

Student - Upload

XLS Grade Beta 1.0

My Account

[Logout](#)

[Change Password](#)

Tools

[Upload Lab](#)

[View Grades](#)

Welcome John Doe (Student)

Account/Site News

Upload Lab Files - Lab 1

File 1:

File 2:

File 3:

Student - View Grades

XLS Grade Beta 1.0

My Account

[Logout](#)

[Change Password](#)

Tools

[Upload Lab](#)

[View Grades](#)

Welcome John Q. Smith (Student)

Account/Site News

Your Grades

Lecture: CSIS01005 Lab: CSIS0105F

Name	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Midterm	Average
Student 1	85%	88%	85%	98%	92%	88%	89.33%

Student - Change Password

XLS Grade Beta 1.0

My Account

[Logout](#)

[Change Password](#)

Tools

[Upload Lab](#)

[View Grades](#)

Welcome John Q. Smith (Student)

Account/Site News

Change Password

Enter your old password:

Enter your new password:

Confirm your new password:

Unit Test

Excel Grading Project

Preliminary Design

Unit Testing

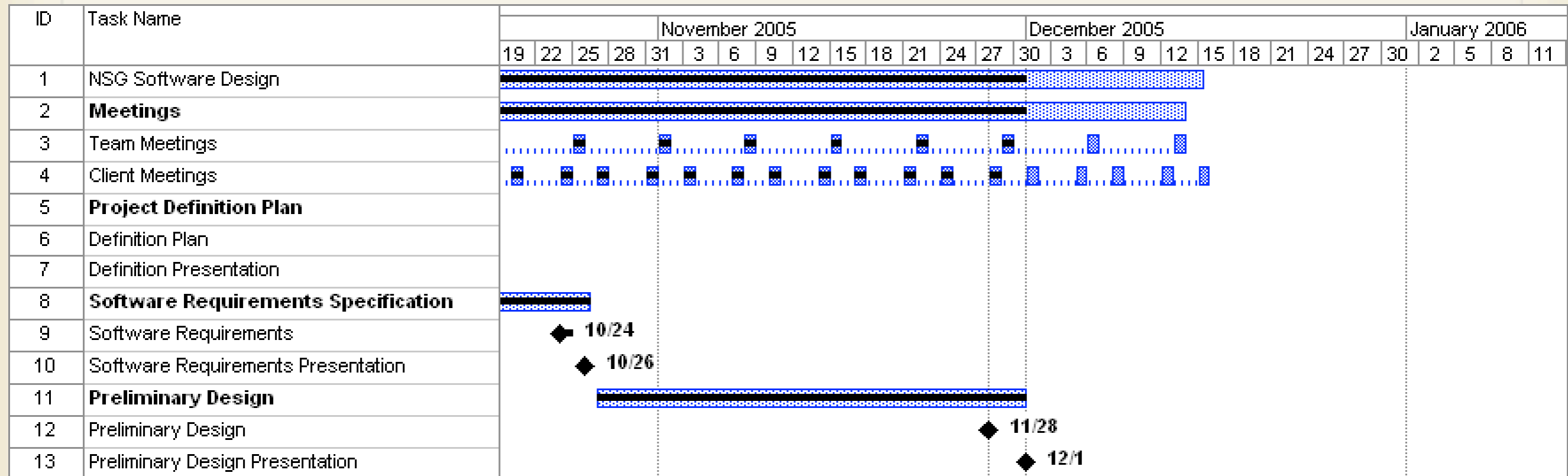
<u>ID</u>	<u>Beginning State</u>	<u>After State</u>	<u>Input Value</u>	<u>Software Process</u>	<u>Comments</u>	<u>Pass/Fail</u>
1.#						
1	User enters username and password.	User sees main page of classes that they are responsible for	User clicks on the Login button on the main page.	The Lecture Instructors username and password are sent to a database and are pulled back to see what privileges will be given.		
2	Main Page for Lecture Instructor.	Views a list of student names so grades can be viewed.	Click on a section of class that they are teaching.	Viewable classes will be checked against database to make sure appropriate class sections are shown.		
3	List of Student names that may each be clicked on.	The Lecture Instructor may see all the past grades for each lab that has been submitted and graded so far.	A student's name is clicked on in the list of the class.	A students records are pulled from the database for the Lecture Instructor.		
4	From Anywhere within the site, after login.	A page with fields giving the Lecture Instructor an option to change the password to the account to whatever they please.	The Lecture Instructor clicks on the hyperlink that will be available on every page that will allow them to change their password.	Same for every user.		

Parser

midterm			
	A	B	C
1	Spring 2004 Semester Grades		
2			
3			
4			
5	Number of Credits:		
6			
7	Exams:		
8		Raw Grade	Grade
9	Exam 1	78	
10	Exam 2	83	
11	Final Exam	88	
12		<i>Total Points Possible</i>	
13			
14	Projects:		
15		Grade	Weight
16	Assignment #1	100	1%
17	Assignment #2	85	4%
18	Assignment #3	85	3%
19	Assignment #4	90	4%
20	Assignment #5	92	8%
21		<i>Total Points Possible</i>	
22			
23	Effort/Participation:	90	5%

<http://www.ccmodes.net/test/parser.php?cell=C21>

Gantt Chart



What's Next?

- ~ Detailed Design February 15, 2006
- ~ Acceptance Test April 25, 2006
- ~ Academic
Celebration May 5, 2006
- ~ Last Class May 2, 2006

Any Questions?

Thank You!