



Detailed Design

Automated Excel Grading System

Welcome

Ms. Jami Cotler and Dr. Scott Hunter
And Guests



Agenda

- **Project Overview - Jim**
- **New Prototype Screenshots - Chris & Brian**
- **Database Design - Josh**
- **Testing - Vinnie**
- **What's Next**



Project Overview

- Web Based System
- Students submit labs and pre-labs
- System grades files
- Error reporting
- Keeps track of grades



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New Prototype Screenshots

- Link:

[Prototype Screens](#)



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Database Design

- Overview



Personal Information

- Stores data about all users
- Used to display/alter users information

	Field Name	Data Type	Description
🔑	Email	Text	Email address (login)
	First Name	Text	First Name
	Last Name	Text	Last Name
	Password	Text	Created password
	Lab Section	Number	Lab section associated with
	Lecture Section	Number	Lecture section associated with
▶	Account Type	Text	Either Admin, Student, Lecture Instructor, or Lab Instructor



Sections

- Stores Instructors section data
- Used to determine each instructors viewable information

Sections : Table			
	Field Name	Data Type	Description
▶	Instructor	Text	Instructor Name
🔑	Section Number	Number	Number of section
	Section Type	Text	Lab or Lecture section type



Submissions

- Stores information about submitted files
- Used to alter and display information about submissions

Field Name	Data Type	Description
Email	Text	Email address (login)
Lab Number	Number	Number of current lab
File Name	Text	Filename of current lab
Grade	Number	Grade given for this lab
Excel File	OLE Object	Submitted Excel File
Error Report Excel File	OLE Object	Submitted Excel File with errors printed in it
Status	Yes/No	Approved or not
Date Submitted	Date/Time	Date current lab was submitted



Errors

- Stores information about errors found in submissions
- Used to allow Lab Instructors to view and change errors and grades

Field Name	Data Type	Description
Email	Text	Email address (login)
Lab File Name	Text	Name of Lab file error is in
Cell	Text	Cell where error is
Error Description	Text	Description of error
Points Given	Number	Points given to student
Points Worth	Number	Overall points the cell is worth



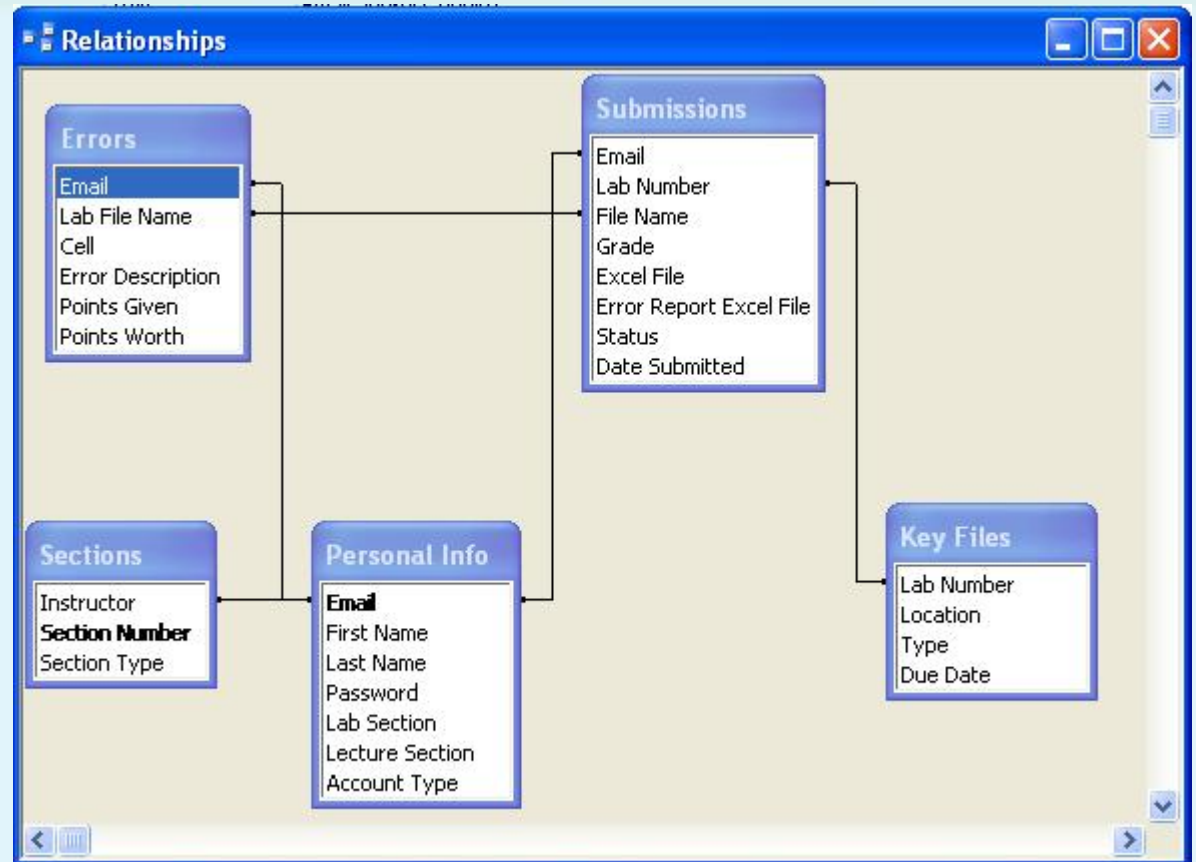
Key Files

- Stores information about Grading Keys and Sample Files
- Used to match submissions with keys and perform grading

Field Name	Data Type	Description
Lab Number	Number	Number of current lab
Location	Text	Location of file
Type	Text	Lab or Prelab
▶ Due Date	Date/Time	Due date set by instructor



Relationships





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Testing

- Unit Testing
- Integration Testing
- System Testing



Unit Testing

- Smallest testable part of our application
- Each unit is independent of one another



Integration Testing

- Combines individual tests
- Ensures one unit will not affect other units
- Changes



System Test

- Our system as a whole is tested
- Functional Requirements
- External Functions

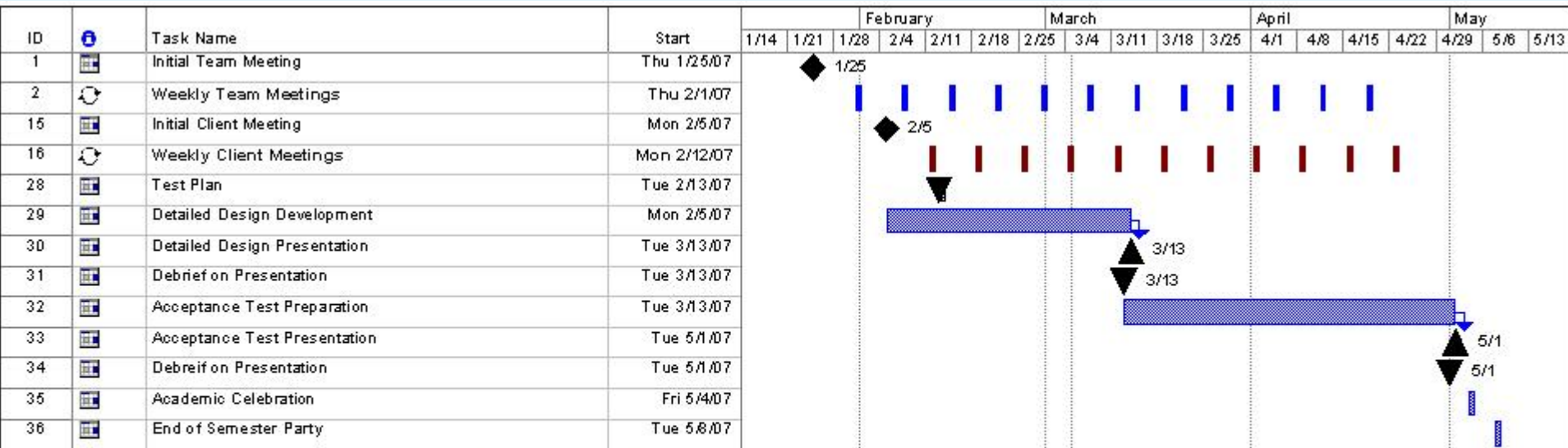


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Schedule New Gantt Chart



Project: Oasis Technologies Gantt Char Date: Mon 3/5/07	Task		Milestone		External Tasks	
	Split		Summary		External Milestone	
	Progress		Project Summary		Deadline	



What's Next

- Acceptance Test Document
 - April 30th 2007
- Acceptance Test Presentation
 - May 1st 2007



Summary

- Any Questions or Comments
- Thank You