



Requirements Specification

Automated Excel Grading System

Welcome

Ms. Cotler and Dr. Hunter



Introduction

- Brian Salmon- Team Leader
- Jim Dzembo- Web Master
- Chris Mahar- Web Developer
- Vincent Leone- Librarian
- Josh Yerkie- Systems Administrator



Agenda

- **Use Case**
- Data Flow Diagrams
- Prototype Screenshots
- Functional Requirements
- What's Next
- Summary



Use Case: Student User

- Log into secure system
- Create their own accounts
- Upload labs and pre-labs
- View report with all errors and omissions
- View grades



Use Case: Lab Instructor

- View students grades and files
- View report on students errors
- Change students grades if necessary
- Sort students by lab section and number



Use Case: Lecture Instructor

- View students lab grades
- Sort students by lecture section and lab number



Use Case: Course Administrator

- Edit student accounts
- Override any grades or registration errors
- Submit keys for grading
- All Lab and Lecture Instructor features

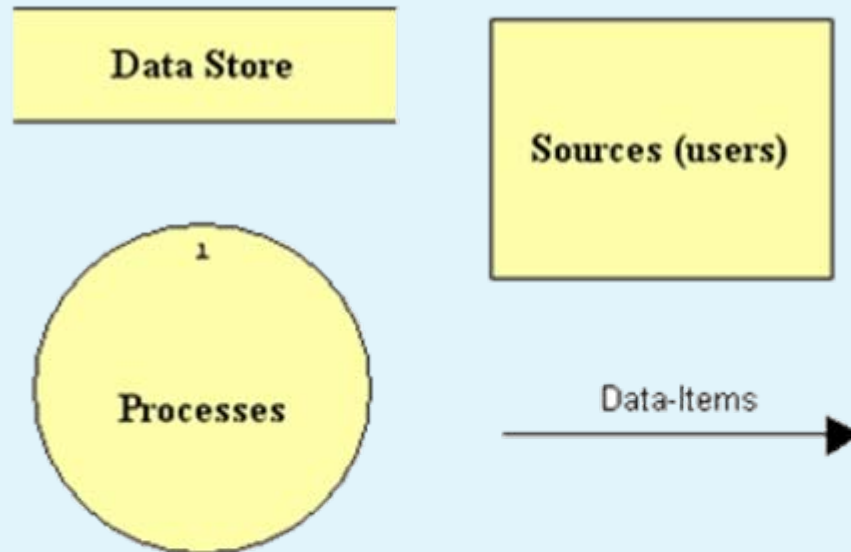


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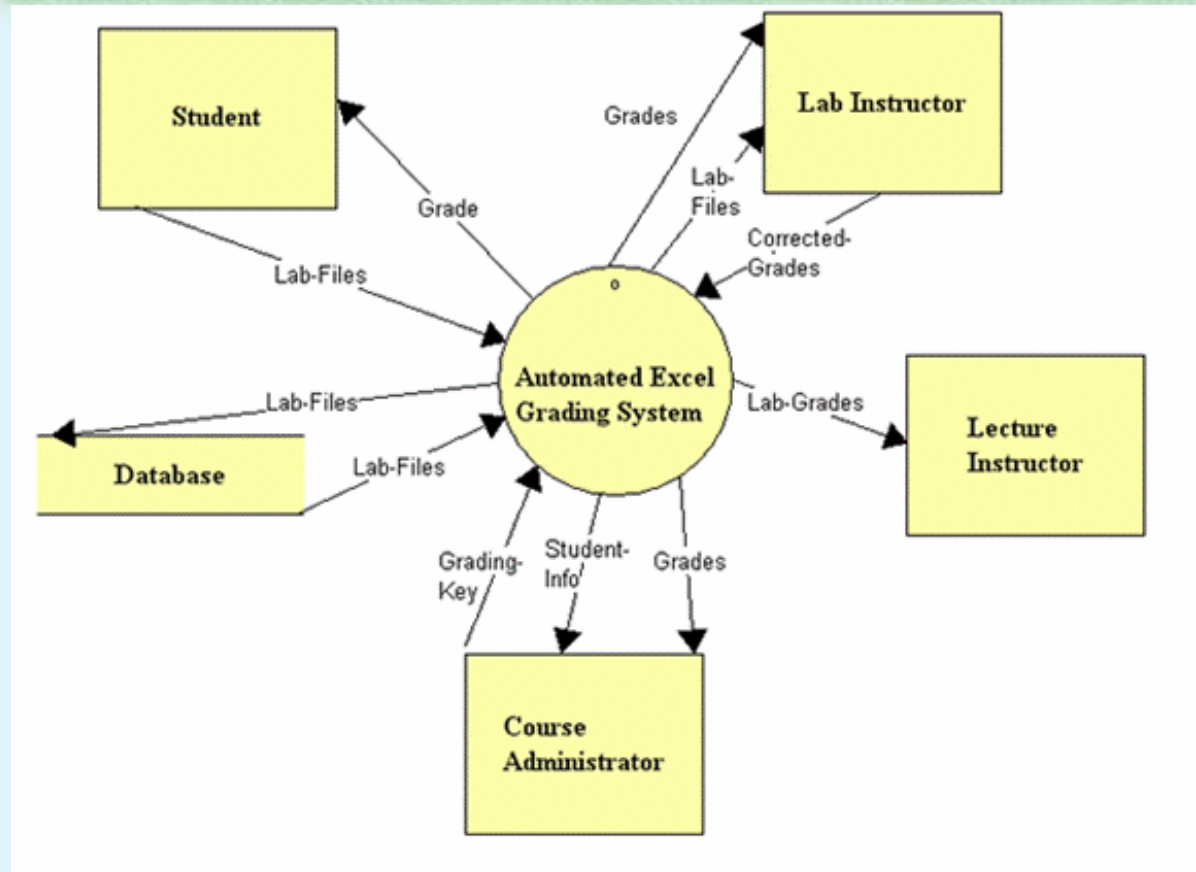


Data Flow Symbols



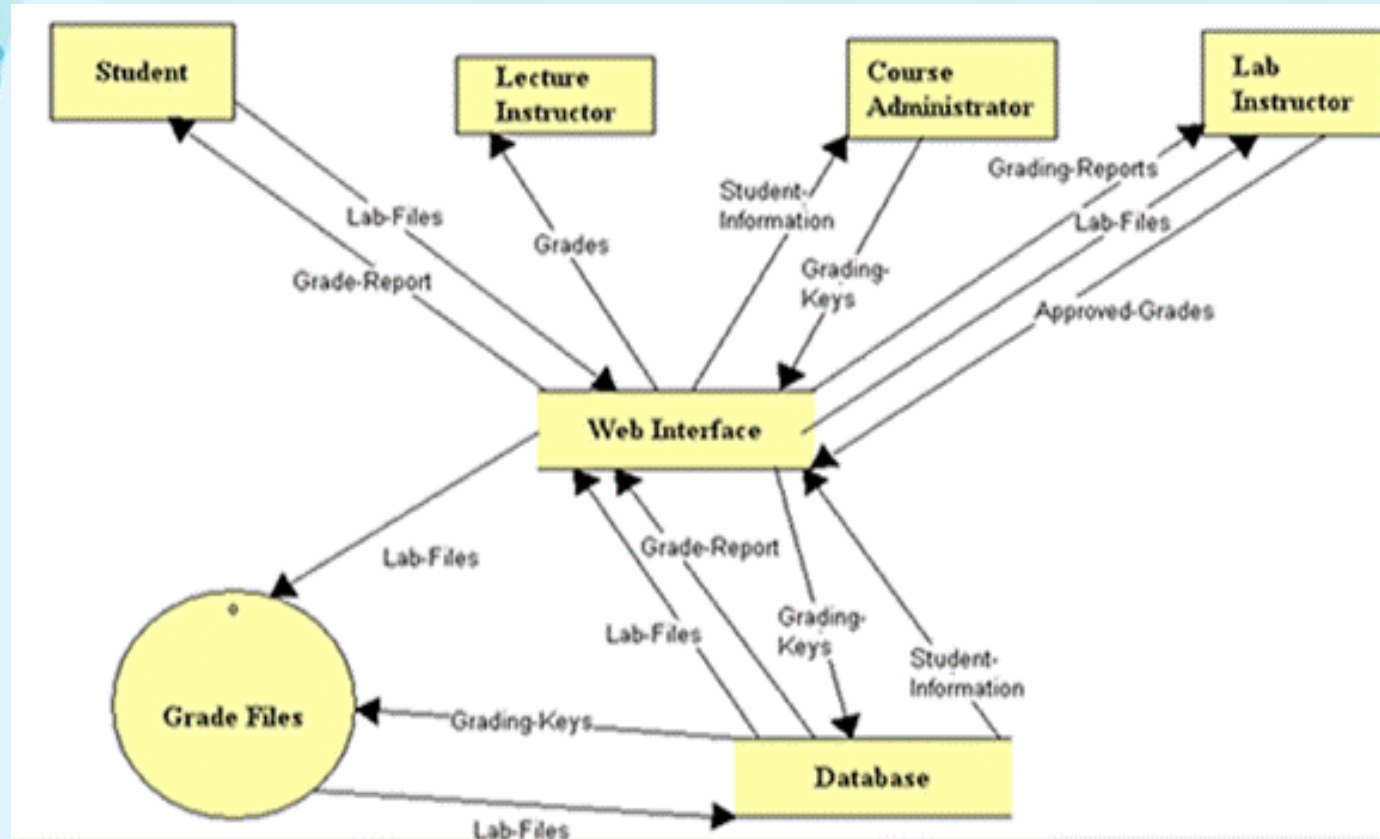


Data Flow Diagrams: Level 0



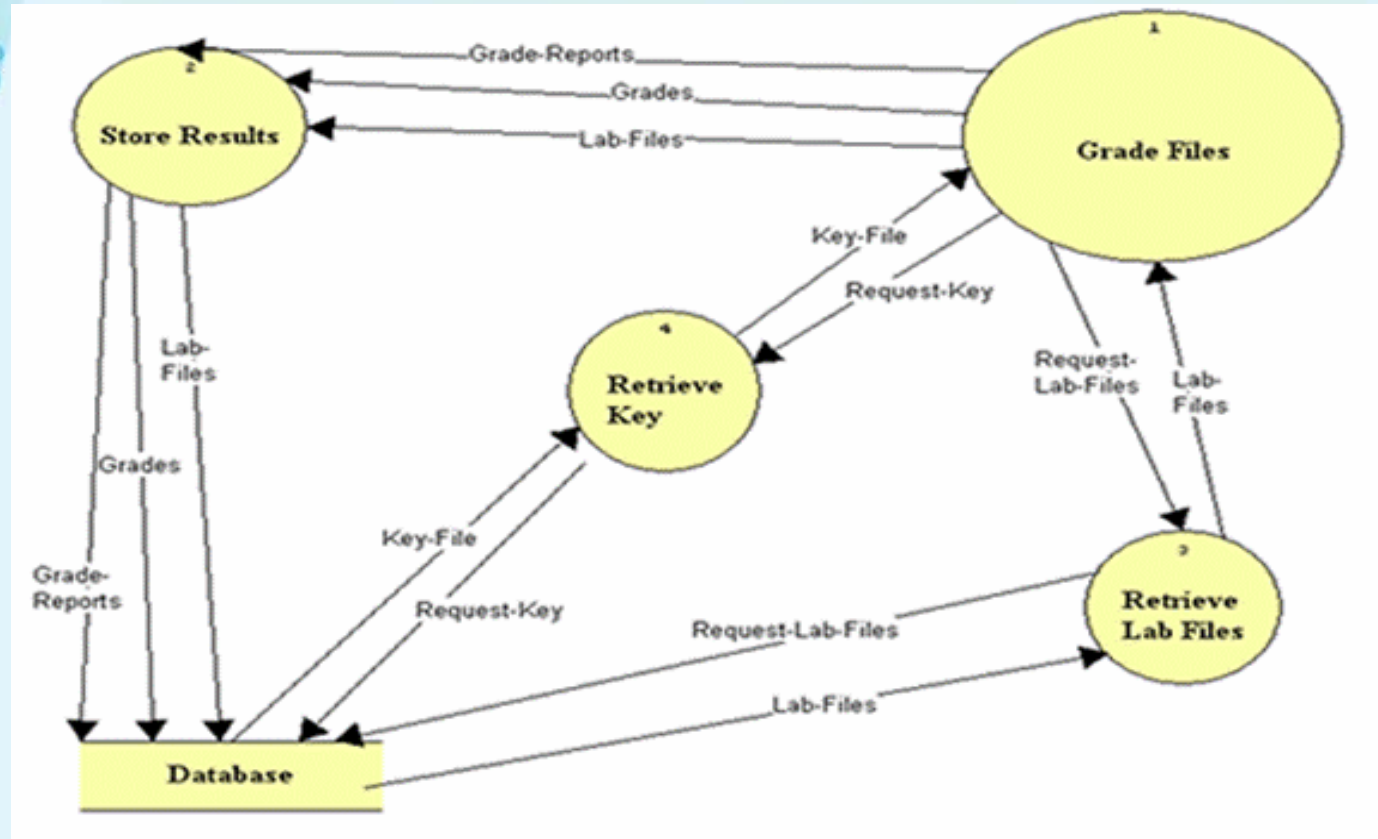


Data Flow Diagram: Level 1



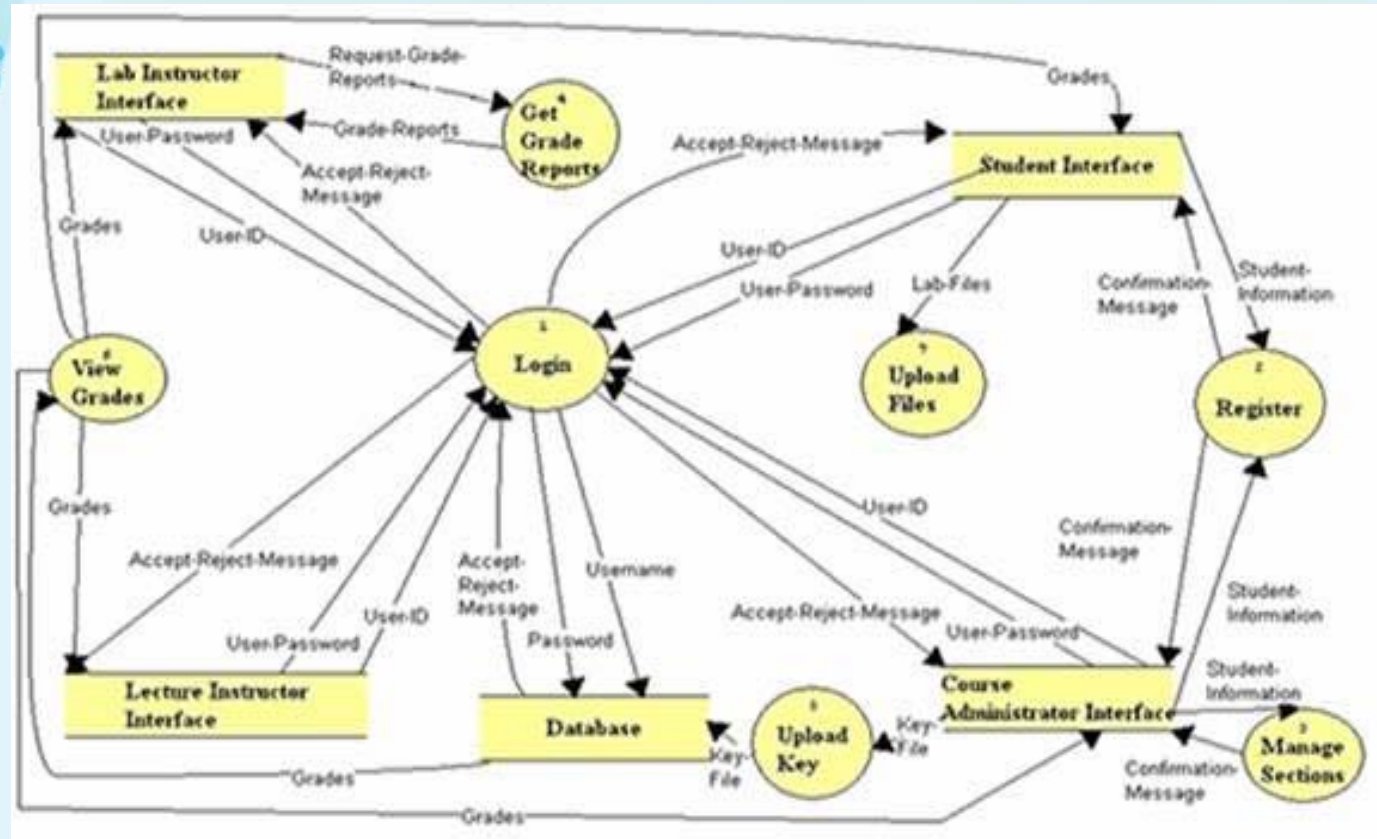


Data Flow Diagrams: Level 2- Grading System





Data Flow Diagrams: Level 3- User Interface





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Login Screen

Automated Excel Grading System

Username:

Password:

Don't Have a Username? [Register Here](#)

Forgot your Password? [Click Here](#)



Account Register View

Edit Student Information

Name	<input type="text"/>
Username	<input type="text"/>
Password	<input type="text"/>
Confirm Password	<input type="text"/>
Email Address	<input type="text"/>
Lecture Section	<input type="text"/>
Lab Section	<input type="text"/>
	<input type="button" value="Register"/>



Student View

Student A			
Assignment 1	Due	Submitted	Score
File 1	10/20/06	10/18/06	23/25
File 2	10/20/06	10/18/06	24/25
File 3	10/20/06	10/18/06	23/25
Total			72/75
<input type="button" value="View"/>			
Assignment 2	Due	Submitted	Score
File 1	10/26/06	---	---
File 2	10/26/06	---	---
File 3	10/26/06	---	---
Total			
<input type="button" value="Submit"/>			
Assignment 3	Due	Submitted	Score
File 1	10/31/06	---	---
File 2	10/31/06	---	---
File 3	10/31/06	---	---
Total			
<input type="button" value="Submit"/>			
Assignment 4	Due	Submitted	Score
File 1	11/06/06	---	---
File 2	11/06/06	---	---
File 3	11/06/06	---	---
Total			
<input type="button" value="Submit"/>			



Lab Instructor View 1

Welcome "Lab Instructor"

Choose Lab Section To View

Section 1 ▾

Choose Lab Number To View

Lab 1 ▾

View



Lab Instructor View 2

Lab Section #3

Name	Assignment	Total	File 1	File 2	File 3	Date Submitted		
Student A	Lab 1	73/75	23/25	24/25	25/25	10/18/06	View File	Change Grade
Student A	Lab 2	70/75	21/25	24/25	25/25	10/26/06	View File	Change Grade
Student A	Lab 3	67/75	23/25	20/25	24/25	11/04/06	View File	Change Grade
Student B	Lab 1	70/75	23/25	24/25	22/25	10/18/06	View File	Change Grade
Student B	Lab 2	71/75	21/25	24/25	24/25	10/26/06	View File	Change Grade
Student B	Lab 3	67/75	23/25	20/25	24/25	11/04/06	View File	Change Grade

[Approve Grades](#)



Lecture Instructor View 1

Welcome "Lecture Instructor"

Choose Lecture Section To View

Section 1 ▾

Choose Lab Number To View

Lab 1 ▾

View



Lecture Instructor View 2

Lecture Section 2

<u>Student</u>	<u>Lab Section</u>	<u>Lab Number</u>	<u>Lab Grade</u>
Student, A	1	1	70/75
Student, A	1	2	73/75
Student, A	1	3	71/75
Student, B	2	1	72/75
Student, B	2	2	70/75
Student, B	2	3	74/75



Course Administrator View 1

Welcome "Course Administrator"

Choose Lecture Section To View

Choose Section ▾

Choose Lab Section To View

Choose Section ▾

Choose Lab Number To View

Lab 1 ▾

View



Course Administrator View 2

Course Administrator							
Lab Section #1							
Name	Assignment	Total	File 1	File 2	File 3	Date Submitted	
Student, A	Lab 1	73/75	23/25	24/25	25/25	10/18/06	Edit Info
Student, A	Lab 2	70/75	21/25	24/25	25/25	10/26/06	Edit Info
Student, A	Lab 3	67/75	23/25	20/25	24/25	11/04/06	Edit Info
Student, B	Lab 1	70/75	23/25	24/25	22/25	10/18/06	Edit Info
Student, B	Lab 2	71/75	21/25	24/25	24/25	10/26/06	Edit Info
Student, B	Lab 3	67/75	23/25	20/25	24/25	11/04/06	Edit Info
Lab Section #2							
Name	Assignment	Total	File 1	File 2	File 3	Date Submitted	
Student, A	Lab 1	73/75	23/25	24/25	25/25	10/18/06	Edit Info
Student, A	Lab 2	70/75	21/25	24/25	25/25	10/26/06	Edit Info
Student, A	Lab 3	67/75	23/25	20/25	24/25	11/04/06	Edit Info
Student, B	Lab 1	70/75	23/25	24/25	22/25	10/18/06	Edit Info
Student, B	Lab 2	71/75	21/25	24/25	24/25	10/26/06	Edit Info
Student, B	Lab 3	67/75	23/25	20/25	24/25	11/04/06	Edit Info



Course Administrator View 3

Edit Student Information

Name	<input type="text"/>
Username	<input type="text"/>
Password	<input type="text"/>
Lecture Section	<input type="text" value="Choose Section"/>
Lab Section	<input type="text" value="Choose Section"/>
<input type="button" value="Submit Changes"/>	



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Functional Requirements

- Secure Web based system
- Excel File Grading System
- Error Reporting
- Viewable Grades
- Achieve All User Case Features



Non-Functional Requirements

- User-friendly interface
- Quick turnaround time on grading pre-labs
- Ease of use for all users

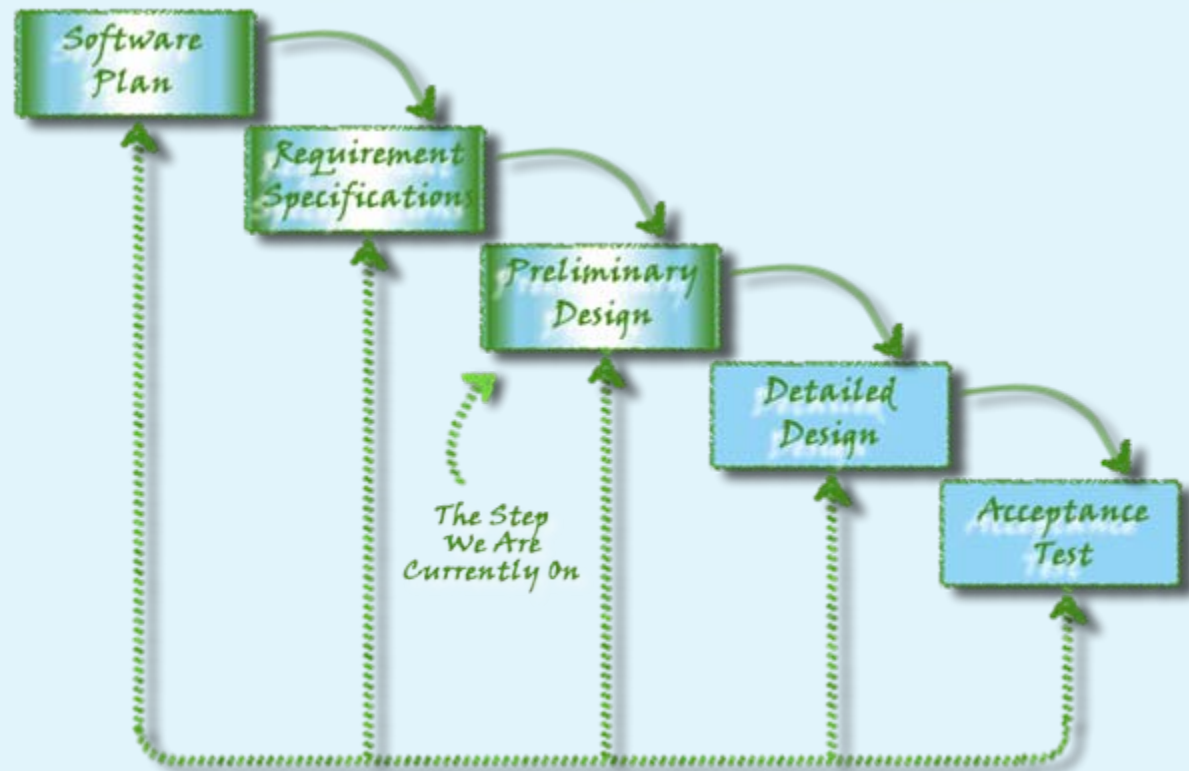


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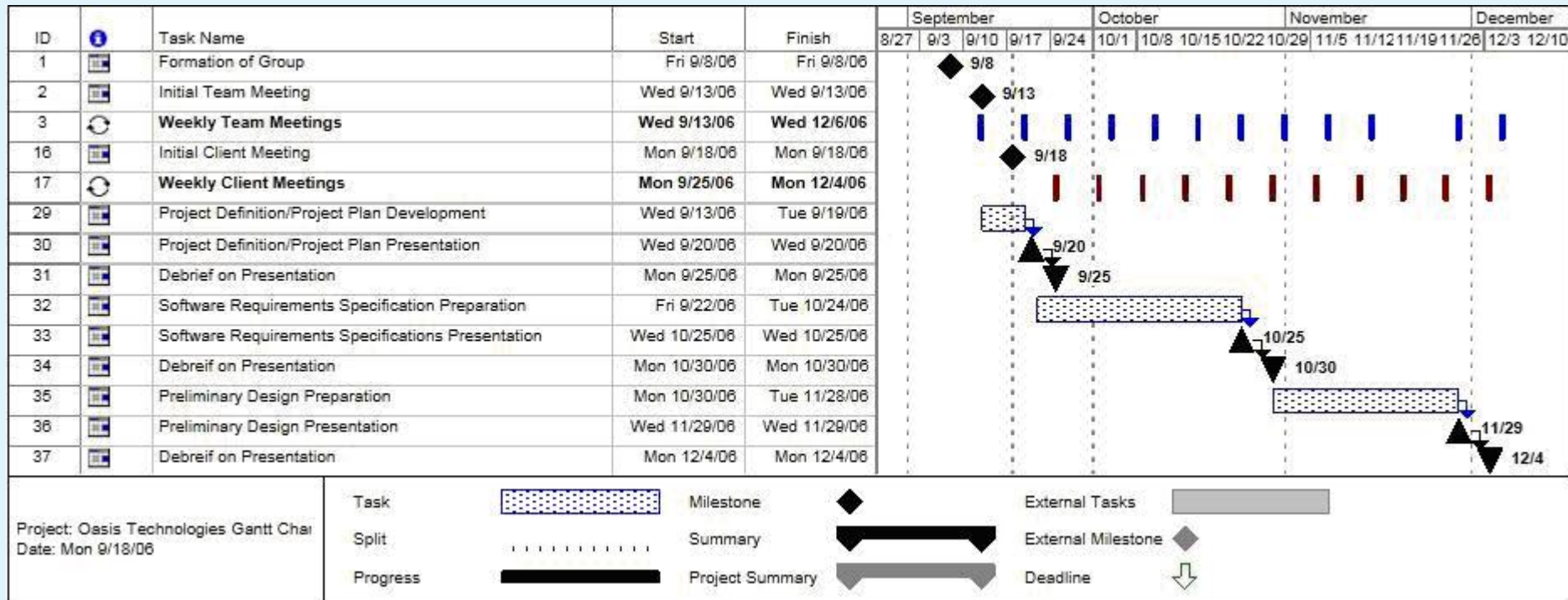


What's Next





Timeline





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Summary and Questions

- Any Questions?
- Thank you for your time and attention