#### Project Recording Information System Management Requirements Specification by Quantum Technologies



#### Welcome

- Our Client:
  - Dr. Meg Fryling
    - Asst. Professor of Computer Science
- Guests
  - Dr. Timoth Lederman
  - Dr. Darren Lim





#### Introduction

- Project Progression
- Product Overview
- User Case Narratives
- User Permission Chart
- UML Use Case Diagram
- Data Flow Diagrams
- Requirements Inventory
- Non-Functional Requirements
- Prototypes
- What's Next



#### Introduction

- Shannon Pfohl: Team Leader
- Paul Cherrier: Webmaster
- Ryan Egan: Information Specialist
- Jordan Holoboski: Database Administrator
- Kathleen O'Hara: System Admin/Developer
- Julian Thomas: Development Director

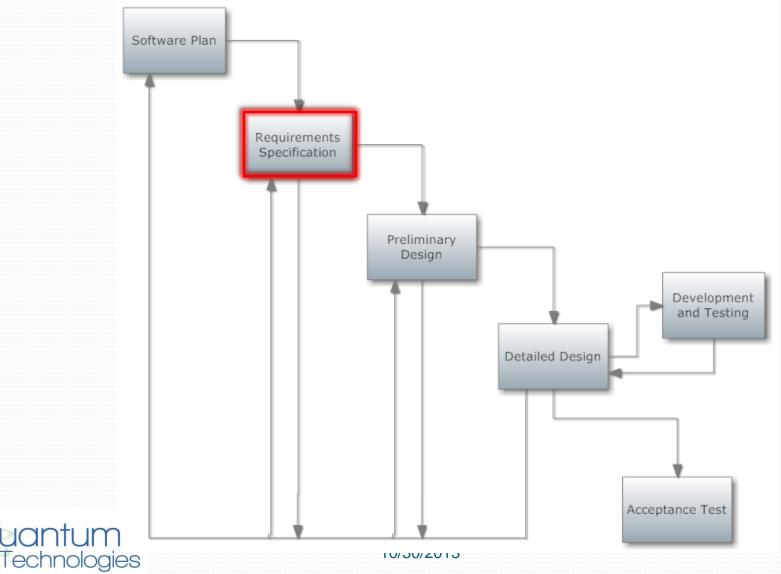




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### **Project Progression**



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#### **Product Overview**

- PRISM records all hours by employees
- Team Leaders can take attendance
- Team members make evaluations of the team
- System Administrator controls all
- Create a database
- Web Application



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#### **User Case Narratives**

- Describes the privileges of each user
- Shows how each user will interact with PRISM



#### **User Case Narratives: Employee**

- Log in/out
- Log hours
- Makes evaluations on team members
- Sees the average evaluation score



#### User Case Narratives: Team Leader

- Log in/out
- Log hours
- Makes evaluations on team members
- See average evaluation score
- Send out reminder emails for deadlines
- Records Attendance



#### User Case Narratives: Supervisor

- Log in/out
- Log hours
- Makes evaluations on team members
- Sees evaluations of supervised employees



#### User Case Narratives: System Administrator

- Log in/out
- Makes evaluations on team members
- Send out reminder emails for deadlines
- Has access to all information within PRISM



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# User Permission Chart (UPC)

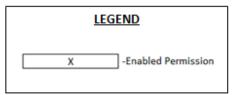
	Submit	Submit Evaluation(s)	View Average	View Complete		
	Evaluation(s)	For Other Member(s)	Score On Own	Evaluation(s) Of		
	Of Subordinate(s)	On the Same Team	Evaluation(s)	Subordinate(s)		
System Administrator	Х	Х	Х	Х		
Supervisor	Х	Х	Х	Х		
Team Leader	Х	Х	Х	Х		
Employee		Х	Х			

#### HOURS

	Record	View Own	View Hours	Confirm Hours	View Other
	Hours	Recorded	Recorded By	Recorded By	Team(s)
	Hours		Subordinate(s)	Subordinate(s)	Average Hours
System Administrator	Х	х	х	х	x
Supervisor	Х	Х	Х	х	X
Team Leader	Х	х	Х	х	X
Employee	Х	Х			X

#### ATTENDENCE

	Record Attendance	View Attendance Of Subordinate(s)
System Administrator	х	Х
Supervisor		Х
Team Leader	х	Х
Employee		



#### MISC.

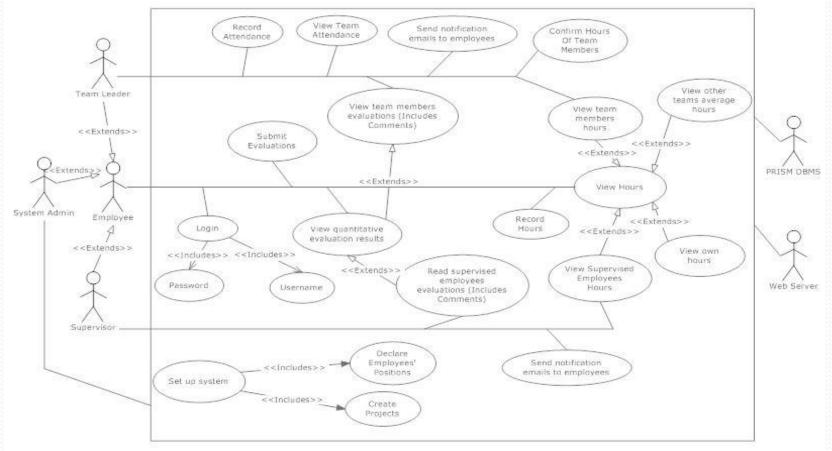
Log In	Set Up	Send Email	Add Users	Delete	Manage
	System	Notifications To	To System	Users From	User
		Employees		System	Permissions
Х	Х	х	х	х	x
Х		х			
Х		х			
Х					
-	x x	System X X X	System Notifications To Employees   X X   X X   X X	System Notifications To Employees To System   X X X X   X X X X	System Notifications To Employees To System Users From System   X



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# UML Use Case Diagram

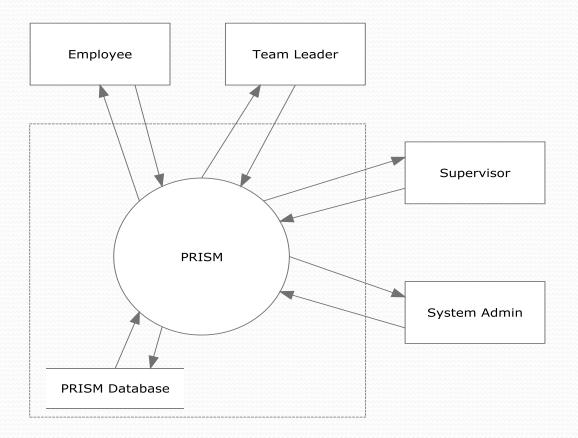




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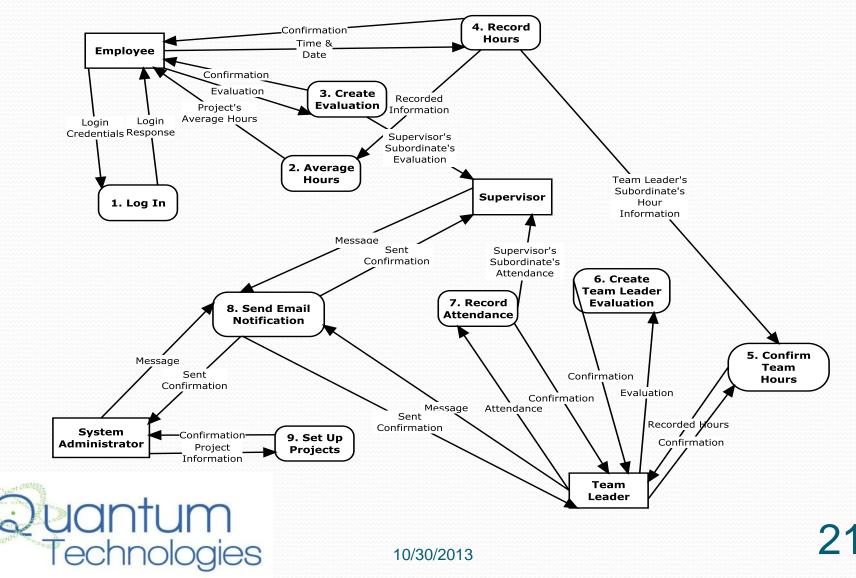
## **Context Diagram**



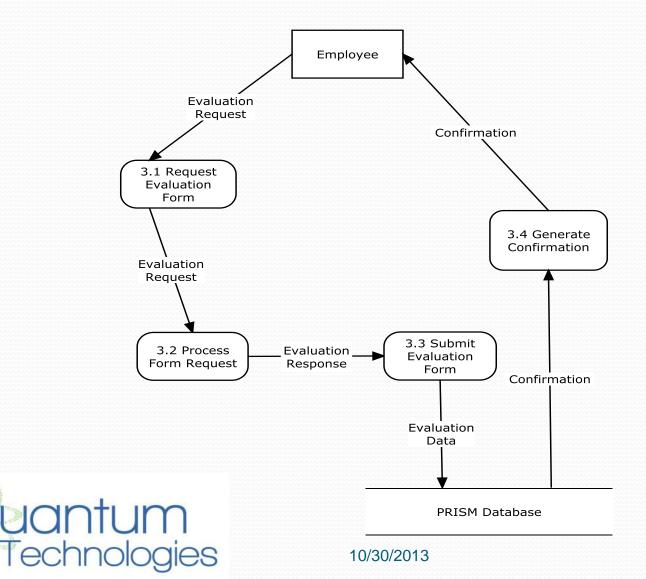


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# Level 0 Diagram

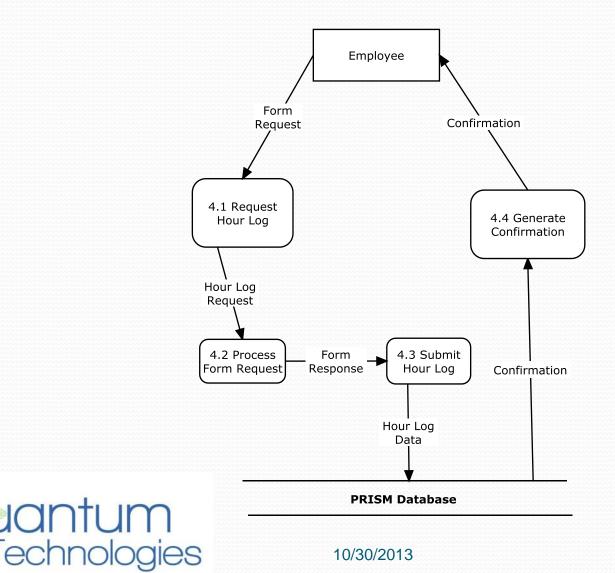


# Level 1: Create Evaluation

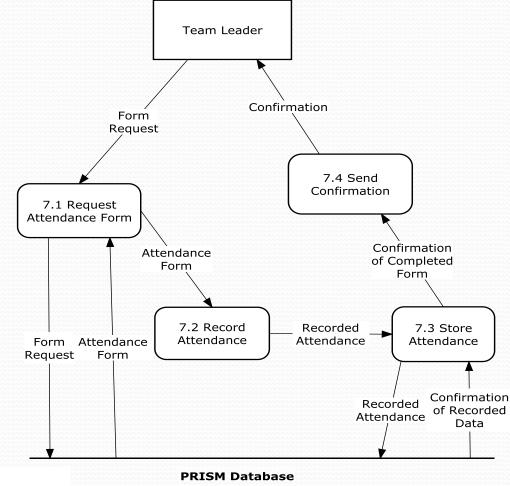


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### Level 1: Record Hours



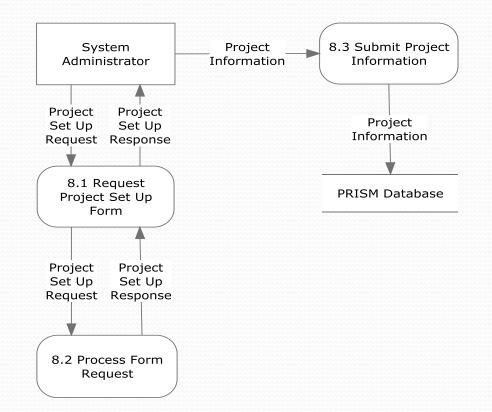
## Level 1: Record Attendance





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### Level 1: Set Up Projects





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## Agenda

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# **Requirements: Employee**

- Login / logout
- Record hours
- View hours
- Submit evaluations



# **Requirements: Team Leader**

- Record attendance
- Confirm hours
- Submit evaluations
- View evaluations
- Send automated emails





## **Requirements: Supervisor**

- View hours
- Submit evaluations
- View evaluations
- Send automated emails



# **Requirements: System Admin**

- Create / modify accounts
- Add projects
- Assign projects
- Assign team leaders and supervisors
- Has access to all information





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PRISM

# **Non-Functional Requirements**

The system will be:

- Efficient
- User friendly
- Usable on multiple browsers
  - Safari, IE, Chrome, Firefox
- Easily maintained
- Stable





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#### **Prototype: Team Member Evaluation Sheet**

#### **Team Member Evaluations**

Client(s):				
Team Name:	Automated			
Your Name:	Automated	2		

Project Phase: Automated

Name	% of Work (0-100%)	Quality of Work (0-100%)	Comments
Automated	0	0	
	Adds Up to 100% Automatically	Team Average Calculated Automatically	



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#### **Prototype: Team Leader Evaluation Sheet**

#### Individual Contributor (Team Member) Rating Sheet

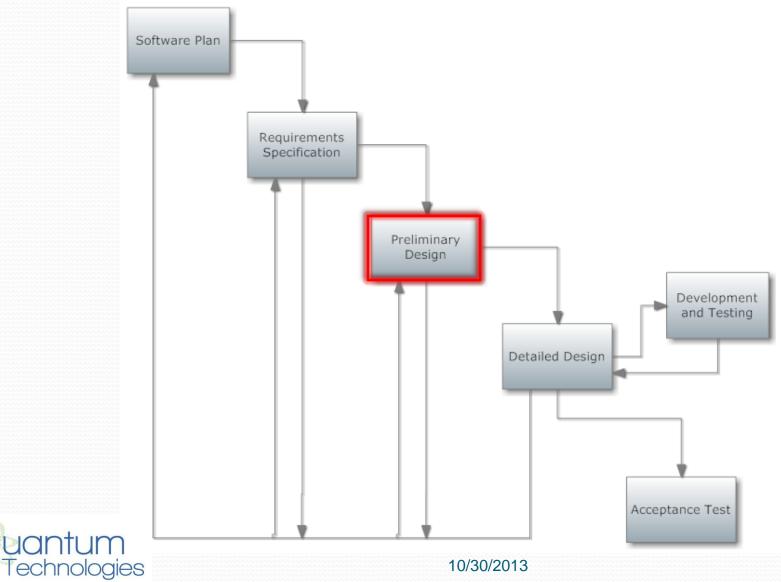
		To be completed by Tea	im Leaders
	Team Leader Name:	Automated	
	Team Member Name:	Automated	25
	Team Name:	Automated	<u>10</u>
	Project Phase:	Automated	25
	Rate the individual on each ite	m below, using the following	scale:
	0-100 (0=lowest rating and 10	0=highest rating)	
		Project Phase Rating	End of Semester
			(To be completed at the end of the semester)
	Quality of work		÷
	Timeliness of Work		
	Attendance at Meetings		81
	Participation at Meetings _		
	Cooperation Within Group		
antum	Effort Extended		3 <u></u>
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#### What's Next

#### Quantum Technologies Project Timeline

Number	r Task	Start	End	Duration	% Complete	9/9	9/16	9/23	9/30	10/7	10/14	10/21	10/28	11/4	11/11	11/18	11/25	12/2
1	Establish Team	9/9/2013	9/9/2013		¢													
2	Software plan	9/9/2013	9/17/2013	7	100.0													
3	Software plan due date	9/18/2013	9/18/2013				<b>\$</b>											
4	Software plan presentation	9/18/2013	9/18/2013				¢											
5	Requirement Specifications	9/18/2013	10/29/2013	29	100.0													
6	Required Documents due date	10/30/2013	10/30/2013		100.0								•					
7	Requirement presentation	10/30/2013	10/30/2013										•					
8	Preliminary Design	10/30/2013	12/3/2013	23	0.0								Ţ.	1		1		
9	Preliminary Design due date	12/4/2013	12/4/2013		0.0													•
10	Preliminary design presentation	12/4/2013	12/4/2013		0.0													•
11	Team Meeting	9/11/2013	9/11/2013	1														
12	Client Meeting	9/12/2013	9/12/2013	1														
13	Team Meeting	9/13/2013	9/13/2013	1														
14	Team Meeting	9/16/2013	9/16/2013	1														
15	Team Meeting	9/20/2013	9/20/2013	1											Г			
16	Team Meeting	9/22/2013	9/22/2013													Lege	end	Symbo
17	Team Meeting	9/23/2013	9/23/2013	1														
18	Team Meeting	9/25/2013	9/25/2013	1												Milest	tone	
19	Client Meeting	9/26/2013	9/26/2013	1												Docur	nent	
20	Team Meeting	9/27/2013	9/27/2013	1														
21	Team Meeting	9/30/2013	9/30/2013	1												Team M	leeting	
22	Client Meeting	10/3/2013	10/3/2013	1														
23	Team Meeting	10/4/2013	10/4/2013	1												Client M	leeting	
24	Team Meeting	10/7/2013	10/7/2013	1														
25	Client Meeting	10/10/2013	10/10/2013	1												Dead	lline	
26	Team Meeting	10/11/2013	10/11/2013	1												Completed	Document	
27	Team Meeting	10/14/2013	10/14/2013															
28	Team Meeting	10/21/2013	10/21/2013	1														





#### **Thank You!**

#### Questions or Comments?



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