

Resource Usage as of Wed 11/12/08
CSE442-Phase3

	11/2/08	11/9/08	11/16/08	11/23/08	11/30/08	12/7/08	12/14/08	Total
Adam Bettencourt	21 hrs	36.5 hrs	40 hrs	40 hrs	40 hrs	29.2 hrs		206.7 hrs
Develop Top-Level Design	3 hrs							3 hrs
Determine Feasibility	3 hrs							3 hrs
Verify Hardware Suitability	3 hrs							3 hrs
Top Level Design - Integration Thread	3 hrs							3 hrs
2nd Level Design: Database Controller	3 hrs							3 hrs
Cross-Refrence Listing		3 hrs						3 hrs
Change Request Form	1 hr							1 hr
Labor Costs and Estimate	5 hrs							5 hrs
Hardware Specification and Estimate		1 hr						1 hr
Scheduling		3 hrs						3 hrs
Determine Requirements		1 hr						1 hr
Plan Tests		1 hr						1 hr
Design and Code		5 hrs						5 hrs
Test and Review			3 hrs					3 hrs
Design		3 hrs						3 hrs
Plan Tests		1 hr						1 hr
Code			4 hrs					4 hrs
Test and Review			3 hrs					3 hrs
Integrate			6.5 hrs	3.5 hrs				10 hrs
Test/Debug				5 hrs				5 hrs
Design			3 hrs					3 hrs
Plan Tests				1 hr				1 hr
Code				5 hrs				5 hrs
Integrate with Existing Database				10 hrs				10 hrs
Test and Review					4 hrs			4 hrs
Create Full Technical Manual					10 hrs			10 hrs
Create Tutorial/User Manual					3.5 hrs			3.5 hrs
Review Manuals/Tutorial					2 hrs			2 hrs
Design Training Course					5 hrs			5 hrs
Develop Other Advertisements				1.5 hrs	9.2 hrs			10.7 hrs
Create Demonstration(s)/Simulation(s)				8 hrs				8 hrs
Install Routers		18.5 hrs	11.5 hrs					30 hrs
Test Installation			5 hrs					5 hrs
Perform Any Necessary Calibration			2 hrs					2 hrs
Revise As Necessary				4 hrs				4 hrs
Determine Necessary Servers			2 hrs					2 hrs
Obtain Servers				2 hrs				2 hrs
Install Server Software					2 hrs			2 hrs
Install Servers On Site					2 hrs			2 hrs
Connect and Integrate Servers					2.3 hrs	0.7 hrs		3 hrs
Test Installation						3 hrs		3 hrs
Revise As Necessary						2 hrs		2 hrs

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Test Hardware						6.5 hrs		6.5 hrs
Test Web Interface						2 hrs		2 hrs
Verify Performance Standards						15 hrs		15 hrs
Aaron Bahr	23 hrs	39 hrs	40 hrs	30 hrs	23.5 hrs	23.5 hrs		179 hrs
Review Location	3 hrs							3 hrs
Develop Top-Level Design	3 hrs							3 hrs
Determine Feasibility	3 hrs							3 hrs
Verify Hardware Suitability	3 hrs							3 hrs
Top Level Design - Integration Thread	3 hrs							3 hrs
2nd Level Design: Sensor Controller	3 hrs							3 hrs
Cross-Reference Listing		3 hrs						3 hrs
Labor Costs and Estimate	5 hrs							5 hrs
Hardware Specification and Estimate		1 hr						1 hr
Sensor Module Design		3 hrs						3 hrs
Hardware Integration Plan		2 hrs						2 hrs
Plan Tests		1 hr						1 hr
Code		4 hrs						4 hrs
Test and Review			3 hrs					3 hrs
Integrate			8 hrs	2 hrs				10 hrs
Test/Debug				5 hrs				5 hrs
Research Existing Functionality			4 hrs					4 hrs
Plan Tests			1 hr					1 hr
Design Badges		2 hrs						2 hrs
Integrate with Sensor Controller			8 hrs	2 hrs				10 hrs
Test and Review				4 hrs				4 hrs
Create Full Technical Manual					10 hrs			10 hrs
Create Tutorial/User Manual					3.5 hrs			3.5 hrs
Review Manuals/Tutorial					2 hrs			2 hrs
Schedule Training Sessions					2 hrs			2 hrs
Train End Users					4 hrs			4 hrs
Determine Customer Readiness					2 hrs			2 hrs
Create Demonstration(s)/Simulation(s)				8 hrs				8 hrs
Obtain Routers				2 hrs				2 hrs
Obtain Badges		2 hrs						2 hrs
Install Routers		21 hrs	9 hrs					30 hrs
Test Installation			5 hrs					5 hrs
Perform Any Necessary Calibration			2 hrs					2 hrs
Revise As Necessary				4 hrs				4 hrs
Install ZigBee Protocol on Routers				1 hr				1 hr
Set up Badges				2 hrs				2 hrs
Test Hardware						6.5 hrs		6.5 hrs
Test Web Interface						2 hrs		2 hrs
Verify Performance Standards						15 hrs		15 hrs

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	11/2/08	11/9/08	11/16/08	11/23/08	11/30/08	12/7/08	12/14/08	Total
Rohit Valecha	23 hrs	37.5 hrs	40 hrs	27.5 hrs	21.5 hrs	25.5 hrs		175 hrs
Review Location	3 hrs							3 hrs
Develop Top-Level Design	3 hrs							3 hrs
Determine Feasibility	3 hrs							3 hrs
Verify Hardware Suitability	3 hrs							3 hrs
Top Level Design - Integration Thread	3 hrs							3 hrs
2nd Level Design: Sensor Controller	3 hrs							3 hrs
Cross-Reference Listing		3 hrs						3 hrs
Labor Costs and Estimate	5 hrs							5 hrs
Hardware Specification and Estimate		1 hr						1 hr
Sensor Module Design		3 hrs						3 hrs
Hardware Integration Plan		2 hrs						2 hrs
Plan Tests		1 hr						1 hr
Code		4 hrs						4 hrs
Test and Review			3 hrs					3 hrs
Integrate			6.5 hrs	3.5 hrs				10 hrs
Test/Debug				5 hrs				5 hrs
Research Existing Functionality			4 hrs					4 hrs
Plan Tests			1 hr					1 hr
Design Badges		2 hrs						2 hrs
Integrate with Sensor Controller			10 hrs					10 hrs
Test and Review				4 hrs				4 hrs
Create Full Technical Manual					10 hrs			10 hrs
Create Tutorial/User Manual					3.5 hrs			3.5 hrs
Review Manuals/Tutorial					2 hrs			2 hrs
Train End Users					4 hrs			4 hrs
Determine Customer Readiness					2 hrs			2 hrs
Create Demonstration(s)/Simulation(s)				8 hrs				8 hrs
Install Routers		21.5 hrs	8.5 hrs					30 hrs
Test Installation			5 hrs					5 hrs
Perform Any Necessary Calibration			2 hrs					2 hrs
Revise As Necessary				4 hrs				4 hrs
Install ZigBee Protocol on Routers				1 hr				1 hr
Set up Badges				2 hrs				2 hrs
Test Hardware						6.5 hrs		6.5 hrs
Test Web Interface						2 hrs		2 hrs
Verify Performance Standards						15 hrs		15 hrs
Verify Ease of Use						2 hrs		2 hrs
Yee Wa Wu (Amy)	20 hrs	39.5 hrs	40 hrs	40 hrs	36.2 hrs	28.5 hrs		204.2 hrs
Develop Top-Level Design	3 hrs							3 hrs
Determine Feasibility	3 hrs							3 hrs
Verify Hardware Suitability	3 hrs							3 hrs
Top Level Design - Integration Thread	3 hrs							3 hrs

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	11/2/08	11/9/08	11/16/08	11/23/08	11/30/08	12/7/08	12/14/08	Total
2nd Level Design: Database Controller	3 hrs							3 hrs
Cross-Reference Listing		3 hrs						3 hrs
Labor Costs and Estimate	5 hrs							5 hrs
Hardware Specification and Estimate		1 hr						1 hr
Scheduling		3 hrs						3 hrs
Determine Requirements		1 hr						1 hr
Plan Tests		1 hr						1 hr
Install Necessary Database Software		0.5 hrs						0.5 hrs
Design and Code		5 hrs						5 hrs
Test and Review			3 hrs					3 hrs
Design		3 hrs						3 hrs
Plan Tests		1 hr						1 hr
Code			4 hrs					4 hrs
Test and Review			3 hrs					3 hrs
Integrate			10 hrs					10 hrs
Test/Debug				5 hrs				5 hrs
Design			2 hrs	1 hr				3 hrs
Plan Tests				1 hr				1 hr
Code				5 hrs				5 hrs
Integrate with Existing Database				10 hrs				10 hrs
Test and Review					4 hrs			4 hrs
Create Full Technical Manual					10 hrs			10 hrs
Create Tutorial/User Manual					3.5 hrs			3.5 hrs
Review Manuals/Tutorial					2 hrs			2 hrs
Design Training Course					5 hrs			5 hrs
Develop Other Advertisements				4 hrs	6.7 hrs			10.7 hrs
Create Demonstration(s)/Simulation(s)				8 hrs				8 hrs
Install Routers		21 hrs	9 hrs					30 hrs
Test Installation			5 hrs					5 hrs
Perform Any Necessary Calibration			2 hrs					2 hrs
Revise As Necessary				4 hrs				4 hrs
Determine Necessary Servers			2 hrs					2 hrs
Obtain Servers				2 hrs				2 hrs
Install Servers On Site					2 hrs			2 hrs
Connect and Integrate Servers					3 hrs			3 hrs
Test Installation						3 hrs		3 hrs
Revise As Necessary						2 hrs		2 hrs
Test Hardware						6.5 hrs		6.5 hrs
Test Web Interface						2 hrs		2 hrs
Verify Performance Standards						15 hrs		15 hrs
Qianting Zeng (Cindy)	40 hrs	39 hrs	39 hrs	20.5 hrs	22.5 hrs	25.5 hrs		186.5 hrs
Customer Interaction	10 hrs							10 hrs
Develop Top-Level Design	3 hrs							3 hrs

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	11/2/08	11/9/08	11/16/08	11/23/08	11/30/08	12/7/08	12/14/08	Total
Determine Feasibility	3 hrs							3 hrs
Verify Hardware Suitability	3 hrs							3 hrs
Review Initial Plans with Customer	10 hrs							10 hrs
Top Level Design - Integration Thread	3 hrs							3 hrs
2nd Level Design: Interface Controller	1.5 hrs							1.5 hrs
Cross-Reference Listing		3 hrs						3 hrs
Labor Costs and Estimate	5 hrs							5 hrs
Hardware Specification and Estimate		1 hr						1 hr
Design		3 hrs						3 hrs
Plan Tests		1 hr						1 hr
Code		4 hrs						4 hrs
Test and Review		3 hrs						3 hrs
Determine Styles	1 hr							1 hr
Determine Layout	0.5 hrs	0.5 hrs						1 hr
Draw Template		1 hr						1 hr
Code		3 hrs						3 hrs
Review		2 hrs						2 hrs
Determine Necessary Functionality		1 hr						1 hr
Design Administrator Page		2 hrs						2 hrs
Plan Tests		1 hr						1 hr
Code		4 hrs						4 hrs
Test and Review			3 hrs					3 hrs
Integrate			10 hrs					10 hrs
Test/Debug				5 hrs				5 hrs
Determine Necessary Functionality		2 hrs						2 hrs
Design Page		3 hrs						3 hrs
Plan Tests			1 hr					1 hr
Code			4 hrs					4 hrs
Test and Review			3 hrs					3 hrs
Determine Necessary Functionality		2 hrs						2 hrs
Design Page		0.5 hrs	2.5 hrs					3 hrs
Plan Tests			1 hr					1 hr
Code			4 hrs					4 hrs
Test and Review			2.5 hrs	0.5 hrs				3 hrs
Determine Necessary Functionality		2 hrs						2 hrs
Design Page			3 hrs					3 hrs
Plan Tests			1 hr					1 hr
Code			4 hrs					4 hrs
Test and Review				3 hrs				3 hrs
Create Full Technical Manual					10 hrs			10 hrs
Create Tutorial/User Manual					3.5 hrs			3.5 hrs
Review Manuals/Tutorial					2 hrs			2 hrs
Train End Users					4 hrs			4 hrs

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	11/2/08	11/9/08	11/16/08	11/23/08	11/30/08	12/7/08	12/14/08	Total
Determine Customer Readiness					2 hrs			2 hrs
Create Brochure				4 hrs				4 hrs
Create Demonstration(s)/Simulation(s)				8 hrs				8 hrs
Create Hard Copy of Server Software					1 hr			1 hr
Test Hardware						6.5 hrs		6.5 hrs
Test Web Interface						2 hrs		2 hrs
Verify Performance Standards						15 hrs		15 hrs
Verify Ease of Use						2 hrs		2 hrs
Ning Zhang	40 hrs	39 hrs	40 hrs	27 hrs	23.7 hrs	25.5 hrs		195.2 hrs
Customer Interaction	10 hrs							10 hrs
Develop Top-Level Design	3 hrs							3 hrs
Determine Feasibility	3 hrs							3 hrs
Verify Hardware Suitability	3 hrs							3 hrs
Review Initial Plans with Customer	10 hrs							10 hrs
Top Level Design - Integration Thread	3 hrs							3 hrs
2nd Level Design: Interface Controller	1.5 hrs							1.5 hrs
Cross-Reference Listing		3 hrs						3 hrs
Labor Costs and Estimate	3.5 hrs	1.5 hrs						5 hrs
Hardware Specification and Estimate		1 hr						1 hr
Design	3 hrs							3 hrs
Plan Tests		1 hr						1 hr
Code		4 hrs						4 hrs
Test and Review		3 hrs						3 hrs
Determine Styles		1 hr						1 hr
Determine Layout		1 hr						1 hr
Draw Template		1 hr						1 hr
Code		3 hrs						3 hrs
Review		2 hrs						2 hrs
Determine Necessary Functionality		1 hr						1 hr
Design Administrator Page		2 hrs						2 hrs
Plan Tests		1 hr						1 hr
Code		4 hrs						4 hrs
Test and Review		3 hrs						3 hrs
Integrate			10 hrs					10 hrs
Test/Debug				5 hrs				5 hrs
Determine Necessary Functionality		2 hrs						2 hrs
Design Page		0.5 hrs	2.5 hrs					3 hrs
Plan Tests			1 hr					1 hr
Code			4 hrs					4 hrs
Test and Review			3 hrs					3 hrs
Determine Necessary Functionality		2 hrs						2 hrs
Design Page			3 hrs					3 hrs
Plan Tests			1 hr					1 hr

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	11/2/08	11/9/08	11/16/08	11/23/08	11/30/08	12/7/08	12/14/08	Total
Code			4 hrs					4 hrs
Test and Review			3 hrs					3 hrs
Determine Necessary Functionality		2 hrs						2 hrs
Design Page			3 hrs					3 hrs
Plan Tests			1 hr					1 hr
Code			4 hrs					4 hrs
Test and Review			0.5 hrs	2.5 hrs				3 hrs
Create Full Technical Manual					10 hrs			10 hrs
Create Tutorial/User Manual					3.5 hrs			3.5 hrs
Review Manuals/Tutorial					2 hrs			2 hrs
Design Training Course					5 hrs			5 hrs
Create Brochure				4 hrs				4 hrs
Develop Other Advertisements				7.5 hrs	3.2 hrs			10.7 hrs
Create Demonstration(s)/Simulation(s)				8 hrs				8 hrs
Test Hardware						6.5 hrs		6.5 hrs
Test Web Interface						2 hrs		2 hrs
Verify Performance Standards						15 hrs		15 hrs
Verify Ease of Use						2 hrs		2 hrs
Total	167 hrs	230.5 hrs	239 hrs	185 hrs	167.4 hrs	157.7 hrs		1,146.6 hrs