



Summary Week Report

Project	Real-Time Bridge Monitoring	Week	49
Responsible	Andrea Bottoli	Date	09.12.2013

Executive Summary

Timeliness

General Project Status	Fulfillment of Next Milestone
on track	On Schedule

Results This Week

Activity Owner(s)	Activity	Work load	Fore cast	Result / Comment
All	Monday Meeting	1	2	Internal meeting to discuss problems, project status and questions for customers
All	Lecture Class	3	3	Lecture Class for the alpha prototype presentations
All	Week Report	1	1	Write the week report
Andrea Bottoli, Dzana Kujan, Nikola Radisavljevic	Mockup and Requirement help	5	5	Helped (some calls) Dzana and Nikola to fix mockups and to better understand the last requirements
Andrea Bottoli, Lorenzo Pagliari	Fix and Debugging Math Engine	10	10	Search and fix some bugs in the mathematical stuffs of the project
Andrea Bottoli, Dzana Kujan	Prepare Status Report Presentation	10	10	Work on the preparation of the status report v2 presentation
Andrea Bottoli, Dzana Kujan	Meeting	1	1	Meeting with Project Leader and Team Leader to exchange information, suggestions and to take some decision on how improve the project management
Dzana Kujan, Nikola Radisavljevic	Web Application and Presentation layer	10	10	Work on the graphs and the design of the website, work with JSON, with jsp and with CSSs
Dzana Kujan, Nikola Radisavljevic	Update requirements documentation	10	10	Updated the requirements documentation with the new (and final) requirements gathered from the customer
Dzana Kujan, Nikola Radisavljevic	Mockups	8	8	Delivered new mockups
Andrea Bottoli	Meeting with supervisors	2	2	Meeting with supervisors to inform about the project and group status and to ask suggestions about the Status Report v2 presentation
Andrea Bottoli	Update tasks and meeting agendas	2	3	Updated tasks and issues on the repository; delivered meeting agendas before each meeting
Andrea Bottoli	Fix Design Document	4	10	Work on fixing the design document for class diagrams, mockups and other parts
Andrea Bottoli	Summary Week Report	2	2	Write the summary week report
Lorenzo Pagliari	Translation	6	2	Work on the translation of the last changes in Input and Conversions document
Lorenzo Pagliari	Math Engine	30	20	Work on the implementation of the math engine
Marko Brcic	Work on DAO	4	10	Implemented the Calculated Data DAO Layer
Marko Brcic	Manage VM	4	4	Manage the VM
Marko Brcic	Class Diagrams	2	1	Updated class diagrams
Jorn Tillmanns	User Login System	9	12	Start working on the user login system
Jorn Tillmanns	Update DB	2	2	Update the DB following new requirements
Miraldi Fifo	Read documentation	4	4	Reading Input, Conversions and Formulas Calculations document
Miraldi Fifo	Junit	9	9	Work on tests on Hydrodynamic Formulas and on Input Conversion Class
Nikola Radisavljevic	Read documentation	8	8	Read documentation about new requirements

Activities Planned for Next Period

Activity Owner(s)	Activity	Work load	Result / Comment
All	Monday Meeting	2	Internal meeting to discuss problems, project status and questions for customers
All	Thursday Meeting	2	Internal meeting to discuss problems, project status and replies for customers
All	Read ad Comment Documents	10	Read and Comment Requirements and Design document to provide feedback to improve the quality of the documentation
All	Beta Prototype	10	Try to respect the internal deadline for the beta prototype
All	Week Report	1	Write the week report
Dzana Kujan, Nikola Radisavljevic, Miraldi Fifo, Andrea Bottoli, Lorenzo Pagliari	Modify Requirements Document	10	Improve the quality of the requirements document in order to fit more with the new architecture and technologies and requirements
Andrea Bottoli, Lorenzo Pagliari, Marko Brcic, Jorn Tillmanns	Modify Design Document	10	Improve the quality of the design document in order to fit more with the new architecture and technologies and requirements
Andrea Bottoli, Lorenzo Pagliari	Finalize Math Engine	10	Finalize the implementation of the mathematical stuffs
Andrea Bottoli, Lorenzo Pagliari, Marko brcic	Calculation Controller and DB	10	Interface the Calculation Controller and the Calculated Data with the DB
Dzana Kujan, Nikola Radisavljevic, Miraldi Fifo	Current State View Design	10	Finalize the design of the web page for the Current State View
Dzana Kujan, Nikola Radisavljevic, Miraldi Fifo	History Diagrams Design	10	Finalize the design of the web page for the History Diagrams View
Dzana Kujan, Nikola Radisavljevic, Jorn Tillmanns	Parameters Graphs Design	10	Work on the parameters web page
Jorn Tillmanns, Marko Brcic	User Login System	10	Work on the implementation of the user login system
Andrea Bottoli	Meeting with supervisors	2	Meeting with supervisors to inform about the project and group status and to gather some suggestions
Andrea Bottoli	Summary Week Report	2	Write the summary week report
Marko Brcic	Manage VM	4	Continue to manage the VM
Marko Brcic	Manage Repository	4	Continue to manage the repository
Miraldi	JUnit Classes	20	Continue work on the classes for make tests on the Math Engine using JUnit tool

Comments / Experiences / Problems

- Encountered some problems in understanding the new requirements gathered from the Customer
- Encountered some problems in understanding the European Directive for the Constructions
- It's not very simple explain and understand the new requirements and the laws in EU for the constructions
- VM little slow when the parser works; it takes a long for parse the files in input
- The DB is very huge: at this moment, we have more than 11,000,000 tuples in Raw_Data table
- Encountered a lot of problems in implementing the resolver of a third degree equation and in debugging the related code
- Sometimes the VM is down, so we cannot use the DB and we have to stop our work

Metrics

Milestones

Id	Milestone Description	Responsible Dept./Initials	Finished week			Metr	Rem	
			Plan	Forecast Week	+/-			Actual
M-001	Project Plan & Vision	All	42	42	0	43		
M-002	Requirements gathering	All	43	43	0	43		
M-003	Requirements document	All	43	44	1	43		
M-004	System Design	All	43	44	0	43		
M-005	Requirement Document	All	44	44	0	44		
M-006	Design Document	All	44	44	0	44		
M-007	Status Report	All	44	44	0	44		
M-008	Organize Repository	Marko Brcic	45	45	0	45		
M-009	Team Policies	Marko Brcic	45	45	0	45		
M-010	Share telephone number	All	45	45	0	45		
M-011	Modify Requirement Doc	Dzana Kujan	45	46	1	45		
M-012	Modify Design Doc	Lorenzo Pagliari	45	46	1	45		
M-013	Setup tools on PC	All	45	45	0	45		
M-014	Change DB	Jorn Tillmanns	45	45	0	45		
M-015	Implementation Parser	Jorn Tillmanns	45	45	0	45		
M-016	Implementation DAO	Jorn Tillmanns	45	45	0	45		
M-017	Start Implementation Math	Andrea Bottoli	45	46	1	45		
M-018	Test Parser	Miraldi Fifo	46	47	0	46		
M-019	Test Classes alpha prot.	Miraldi Fifo	46	47	0	46		
M-020	Alpha prototype	All	46	48	2	46		
M-021	Requirements Gathering	Andrea Bottoli	47	47	0	47		
M-022	Update Design Doc.	Andrea Bottoli	47	48	0	48		
M-023	Update Requirem. Doc.	Dzana Kujan	47	48	0	48		
M-024	Finalize Math Engine	Lorenzo Pagliari	48	49	1	48		
M-025	Web Design	Miraldi Fifo	48	49	1	48		
M-026	Status Report	All	49	49	0	48		
M-027	UserLoginSystem	Jorn Tillmanns	49	50	1	48		
M-028	Finalize Math Engine	Lorenzo Pagliari	49	50	0	49		
M-029	Junit tests v1	Miraldi Fifo	49	50	0	49		
M-030	Web Site Mockups	Nikola Radisavljevic	49	49	0	49		
M-031	Web Site Graphs	Dzana Kujan	49	50	0	49		
M-032	Beta Prototype	All	50	51	0	49		

Working Hours

Member	W42	W43	W44	W45	W46	W47	W48	W49	Total
Andrea Bottoli	11	40	50	45	47	68	40	41	342
Lorenzo Pagliari	10	37	53	51	46	57	37	51	342
Dzana Kujan	9	36	43	36	27	36	27	49	263
Marko Brcic	11	40	54	60	28	36	26	15	270
Jorn Tillmanns	9	37	51	43	20	13	39	16	228
Nikola Radisavljevic	9	37	45	36	26	35	26	46	260
Miraldi Fifo	9	38	45	35	16	28	14	18	203
Ghazaleh Shojaee	-	-	53	13	32	26	-	-	124
Total	68	265	394	319	242	299	209	236	2032