Group Logbook

20th of March 2015

2IO70

Version 1

The purpose of this document is to record how much time the group, and each member individually, has spent on any given part of the project.

Group 16

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Validation

We validate the work plan by comparing the expected time it would take to finish each task in the schedule with the time spent working on the corresponding task in the collective logbook. The logbook serves as an indication of how much time was spent on a certain task by each member of the group.

Estimated workload

Project	Workload in hours
Work Plan	20 (from week 4 onward)
Machine Design	20 (from week 4 onward)
Presentation	20
Software Specification	135
Software Design	100
Software implementation	60
Final Report	45
Final Presentation	45
Total	500

Total time spent

Project	Rolf	Wigger	Stefan	Tudor	Maarten	Dat	Total
5.2c	4	8	19	0	0	0	31
Work Plan	16	8	2	8	16	18	68
Machine Design	20	12	24	6	5	4	71
Presentation	0	0	0	? (11)	14	11	25 (36)
Software Specification	20	10	20	9	9	18	86
Software Design	6	7	10	4	3	7	37
Software implementation	0	? (7)	7	0	0	0	7 (14)
Total	66	45 (52)	82	27 (38)	47	58	325 (343)

A question mark means that it was not reported to me. However I made estimates based on the amount of work others that worked with them did, I placed these estimates between brackets.

Conclusion

It is clear from these numbers that we so far overestimated, or under-reported, the amount of work needed for each part of the project. It must however be said that the table above only includes work towards the major deliverables, this means that work on individual assignments (such as the the abstract and maintaining the logbooks) and group talks (to resolve issues) have not been included, leading to an underestimation of the amount of time spent on the project. Either way, it seems that some members have contributed significantly less than others. This has now been addressed in the group however, and going forward we will try to create a more even workload for all.

Dat Phung

Date	Time Start	Time Stop	Action	Time
5-Feb	11:00	16:00	Individual Assignment	5:00
6-Feb	10:30	10:50	Meeting	0:20
6-Feb	11:00	15:15	Work Plan	4:15
10-Feb	12:30	13:00	Meeting	0:30
10-Feb	13:10	14:30	Work Plan	1:20
11-Feb	12:45	14:00	Orientation	1:15
13-Feb	10:39	11:15	Meeting	0:35
13-Feb	11:15	14:45	Work Plan	3:30
24-Feb	10:30	11:30	Meeting	1:00
24-Feb	11:30	15:30	Design of the Sorting Machine	4:00
25-Feb	13:00	17:10	Preparation presentation	4:10
26-Feb	14:30	16:00	Preparation presentation	1:30
27-Feb	8:15	8:45	Practising presentation	0:30
27-Feb	10:39	10:54	Presentation	0:15
27-Feb	11:00	11:30	Meeting	0:30
27-Feb	11:30	15:00	Work Plan	3:30
3-Mar	10:30	10:50	Meeting	0:20
3-Mar	11:00	14:00	Work Plan	3:00
3-Mar	15:00	18:00	Finished Work Plan	3:00
4-Mar	13:30	15:00	Inventarisation of states for SS	1:30
4-Mar	15:30	17:00	Validation high level specification to SLR for MD	1:30
5-Mar	15:00	16:00	Cross-reading Stefan's abstract	1:00
6-Mar	11:45	13:00	Inventarisation of all states	1:15
6-Mar	13:00	15:30	Elaborating all states with Tudor	2:30
6-Mar	18:30	19:30	Cross-reading Machine Design	1:00
10-Mar	10:30	11:00	Meeting	0:30
10-Mar	11:00	11:30	Writing purpose for SS	0:30
10-Mar	12:30	13:00	Added dependency of display	0:30
10-Mar	13:00	14:45	Testing and defining timers	1:45
10-Mar	21:45	22:00	Peer assessment	0:15
11-Mar	12:40	12:45	Inventarisation of tasks to be done for SS	0:05
11-Mar	12:49	14:00	Better definition timers, relation previous/current phase	1:10
11-Mar	14:00	15:00	Validation safety properties	1:00
11-Mar	15:00	18:00	Finishing SS	3:00
11-Mar	19:30	20:00	Cross-reading SS, validation use-case	0:30
13-Mar	10:30	11:30	Meeting	1:00
13-Mar	11:30	12:00	Defining tasks to be done, updating I/O tables	0:30
13-Mar	12:00	12:30	Design decisions	0:30
13-Mar	12:30	14:00	Description of states and I/O	1:30
13-Mar	15:00	16:30	Wrote outline of tasks for SD, wrote purpose	1:30
17-Mar	10:30	11:15	Meeting	0:45
17-Mar	11:15	11:30	Tasks	0:15

17-Mar	11:30	15:19	Coding standard	3:49
17-Mar	15:40	16:00	Coding standard	0:20
18-Mar	10:45	11:30	Cross-reading Stefan's java	0:45
18-Mar	11:30	15:00	Dinges	3:30
18-Mar	21:40	21:49	Loop invariant termination	0:09
20-Mar	10:30	11:00	Meeting	0:30
20-Mar	11:00	12:30	Dividing subjects presentation	1:30
20-Mar	12:30	16:00	Preparation presentation	3:30

Maarten Keet

Date	Time Start	Time Stop	Action	Time
3-Feb	8:45	9:30	Visit lecture	0:45
3-Feb	9:30	11:30	Meeting group	2:00
4-Feb	13:45	14:15	Visit group meeting	0:30
5-Feb	20:30	1:15	Writing abstract	4:45
6-Feb	10:30	11:00	Visit tutor meeting	0:30
6-Feb	11:00	11:19	Visit personal meeting	0:19
10-Feb	11:00	12:19	Constructing Work Plan	1:19
10-Feb	12:30	13:15	Tutor meeting	0:45
10-Feb	14:50	16:30	Getting material and checking it	1:40
10-Feb	21:25	23:00	Reading slides	1:35
11-Feb	12:30	12:49	Attending group meeting	0:19
11-Feb	12:49	14:00	Adjusting Work Plan	1:10
13-Feb	10:30	11:30	Attending tutor meeting	1:00
13-Feb	11:30	13:45	Work Plan	2:15
14-Feb	0:00	15:40	Work Plan	1:40
14-Feb	16:15	17:25	Work Plan	1:10
15-Feb	15:15	16:45	Work Plan	1:30
24-Feb	10:30	11:30	Tutor meeting	1:00
24-Feb	11:30	15:30	Machine design	4:00
24-Feb	21:55	23:15	Minutes	1:20
25-Feb	13:30	17:10	Presentation	3:40
25-Feb	22:40	23:19	Presentation	0:39
25-Feb	23:19	0:00	Practise presentation	0:40
26-Feb	14:19	14:30	Presentation	0:10
26-Feb	15:49	17:10	Presentation	1:20
26-Feb	18:00	19:19	Presentation	1:19
26-Feb	22:15	0:04	Presentation	1:49
27-Feb	8:15	8:49	Practise presentation	0:34
27-Feb	9:20	9:49	Preparing together	0:29
27-Feb	10:00	10:30	Attending presentation	0:30
27-Feb	10:30	10:45	Giving presentation	0:15
27-Feb	0:00	11:30	Tutor meeting	0:30
27-Feb	11:30	14:19	Work plan	2:49
27-Feb	17:30	18:00	Cross reading Validation Machine Design	0:30
1-Mar	15:49	17:30	Minutes	1:40
1-Mar	19:25	19:50	Logbook	0:25
1-Mar	21:20	21:55	Logbook	0:35
2-Mar	0:00	0:40	Logbook	0:40
2-Mar	13:09	13:25	Agenda	0:15
2-Mar	16:45	16:50	Agenda	0:05
2-Mar	19:34	20:30	Work Plan	0:55
3-Mar	10:45	10:54	Meeting	0:09

3-Mar	11:04	11:15	Work Plan	0:10
3-Mar	11:30	13:09	Work Plan	1:39
3-Mar	15:30	17:19	Work Plan	1:49
4-Mar	13:40	13:45	Fixing git	0:05
4-Mar	13:45	13:54	Reread Software Specification	0:09
4-Mar	14:04	15:10	Inventory States	1:05
4-Mar	15:30	16:00	Make test cases Priorities to Machine Design	0:30
4-Mar	16:30	16:50	Make a validation	0:20
5-Mar	15:34	16:00	Agenda, prepare meeting	0:25
6-Mar	10:34	11:15	Meeting	0:40
6-Mar	11:49	12:00	Installing UPPAAL	0:10
6-Mar	12:04	13:15	Inventory states	1:10
10-Mar	10:30	10:54	Meeting	0:24
10-Mar	12:34	12:49	Added dependency display	0:15
10-Mar	13:00	13:39	Logbook	0:39
10-Mar	14:00	15:00	Validation and testing	1:00
13-Mar	10:30	11:24	Meeting	0:54
13-Mar	11:55	12:45	Design Decisions Software Specification	0:50
13-Mar	13:00	13:20	Describing states RunT - WWT	0:20
13-Mar	14:55	15:00	Checking what to do	0:05
13-Mar	15:04	16:30	Trying to start with Software Design	1:25
18-Mar	11:30	14:00	Making minor changes to Software Spec document	2:30
20-Mar	10:15	10:20	Reading minutes last meeting	0:05
20-Mar	11:10	11:45	Putting Machine Design together	0:35
20-Mar	12:00	12:30	Preparing presentation	0:30
20-mrt.	13:10	15:00	Preparing presentation	1:50
20-mrt.	15:10	15:20	Giving topics to Dat	0:10
20-mrt.	15:25	15:30	Checking if light position sensor has transistor	0:05
20-mrt.	15:40	16:30	Creating PPP	0:50

Rolf Verschuuren

Date	Time Start	Time Stop	Action	Time
5-Feb	11:00	16:00	Individual Assignment (Abstract Project Guide)	5:00
6-Feb	10:30	10:50	Meeting	0:20
6-Feb	11:00	15:15	Orientation	4:15
9-Feb	11:30	14:00	Misc, logbook	2:30
10-Feb	10:45	12:20	Misc	1:35
10-Feb	12:30	13:00	Meeting	0:30
10-Feb	13:10	14:30	Work Plan + Orientation	1:20
13-Feb	10:40	11:15	Meeting	0:35
13-Feb	11:15	14:45	Work Plan	3:30
14-Feb	11:00	11:30	Work Plan	0:30
14-Feb	11:30	12:00	Misc, logbook	0:30
15-Feb	13:45	15:00	Work Plan	1:15
24-Feb	10:30	11:30	Meeting	1:00
25-Feb	11:30	15:30	Machine Design	4:00
25-Feb	12:30	17:30	Design of the Sorting Machine	5:00
25-Feb	9:00	10:00	Design of the Sorting Machine	1:00
27-Feb	11:00	11:45	Meeting	0:45
27-Feb	11:45	17:00	Design of the Sorting Machine + Work Plan	5:15
3-Mar	10:30	11:30	Meeting	1:00
3-Mar	11:30	17:30	Work Plan v3	6:00
4-Mar	12:30	18:30	Machine design validation and testing, work plan v3, polish of machine design	6:00
6-Mar	11:00	11:45	Meeting	0:45
6-Mar	11:45	17:00	Software specification inputs and outputs, finite state automaton, state descriptions	5:15
10-Mar	10:30	11:30	Meeting	1:00
10-Mar	11:30	16:30	Software specification document layout, etc	5:00
11-Mar	12:30	18:30	Software specification finalizing document, writing validations, documenting decisions	6:00
13-Mar	10:30	11:00	Meeting	0:30
13-Mar	11:00	16:00	SS revision based on feedback	5:00
17-Mar	10:30	11:00	Meeting	0:30
17-Mar	11:00	15:00	Software Design	4:00
18-Mar	10:30	15:00	Software Design	4:30
20-Mar	12:00	16:30	This document	4:30

Stefan van den Berg

Date	Time Start	Time Stop	Action	Time
3-Feb	9:30	12:00	Orientation	2:30
4-Feb	12:45	14:10	Indivual Assignment	1:25
5-Feb	12:00	16:00	Indivual Assignment	4:00
6-Feb	8:30	15:15	Orientation	6:45
10-Feb	10:45	12:19	Orientation	1:34
10-Feb	12:30	13:00	Meeting	0:30
10-Feb	13:10	16:30	Orientation	3:20
11-Feb	12:45	18:19	Orientation	5:34
11-Feb	18:19	19:00	Orientation	0:40
12-Feb	16:30	16:45	Orientation	0:15
12-Feb	17:45	18:09	Orientation	0:24
13-Feb	13:00	13:25	Misc (Reading Minutes)	0:25
15-Feb	10:30	10:45	Design of the Sorting Machine	0:15
24-Feb	10:30	11:30	Meeting	1:00
24-Feb	11:30	16:30	Design of the Sorting Machine	5:00
25-Feb	12:00	17:00	Design of the Sorting Machine	5:00
25-Feb	22:00	23:00	Design of the Sorting Machine	1:00
27-Feb	9:00	9:45	Presentation	0:45
27-Feb	10:00	11:00	Presentation	1:00
27-Feb	11:00	11:30	Meeting	0:30
27-Feb	11:30	16:30	Design of the Sorting Machine	5:00
28-Feb	11:30	12:30	Design of the Sorting Machine	1:00
28-Feb	17:45	18:15	Design of the Sorting Machine	0:30
3-Mar	10:30	10:50	Meeting	0:20
3-Mar	11:00	13:30	Worked on Machine interface	2:30
3-Mar	13:15	14:30	Worked on Machine interface	1:15
3-Mar	14:30	14:45	Helped tudor with Test cases	0:15
3-Mar	14:45	17:00	Help on the Work plan	2:15
4-Mar	13:00	15:00	Inputs and outputs + dependencies	2:00
4-Mar	15:00	17:00	Worked on validation and test case of the Machine Design	2:00
4-Mar	19:00	19:20	Put together files for the Machine Design	0:20
6-Mar	10:30	11:30	Meeting	1:00
6-Mar	11:30	13:00	Helped with the state diagram	1:30
6-Mar	13:15	15:30	Learned UPPAAL worked on the UPPAAL model	2:15
8-Mar	11:00	11:30	Worked on UPPAAL	0:30
10-Mar	10:30	11:00	Meeting	0:30
10-Mar	11:00	16:00	Worked on UPPAAL	5:00
11-Mar	12:45	13:30	Finished UPPAAL	0:45
11-Mar	13:30	18:00	Helped finishing software specifications	4:30
13-Mar	10:30	11:15	meeting	0:45
13-Mar	11:15	16:00	Improved software specifications	4:45
17-mrt.	10:30	11:15	meeting	0:45

17-mrt.	11:15	12:30 worked on java	1:15
17-mrt.	13:10	16:15 helped with validation	3:05
18-mrt.	10:30	15:30 improved java	5:00
18-mrt.	15:30	16:15 helped with validaion	0:45
20-mrt.	10:30	11:00 meeting	0:30
20-mrt.	11:00	17:30 worked on php code and debugging	6:30
21-mrt.	11:45	12:15 added total time logbook	0:30

Tudor Petrescu

Date	Time Start	Time Stop	Action	Time
6-Feb	10:30	10:50	Meeting	0:20
6-Feb	11:00	15:15	Work Plan	4:15
13-Feb	11:15	14:45	Work Plan	3:30
3-Mar	10:30	10:50	Meeting	0:20
3-Mar	11:00	15:30	Machine Design	4:30
4-Mar	16:00	17:00	System Validation and Testing (Machine Design)	1:00
6-Mar	10:30	11:30	Meeting	1:00
6-Mar	11:39	15:00	Software Specification	2:21
10-Mar	10:30	10:54	Meeting	0:24
10-Mar	12:00	14:15	Software Specification	2:15
10-Mar	15:19	16:00	Software Specification	1:40
13-Mar	10:30	11:30	Meeting	1:00
13-Mar	11:30	15:00	Software Specification	2:30
17-Mar	10:30	11:10	Meeting	0:40
17-Mar	11:10	15:09	Software Design	3:00
17-Mar	15:30	16:00	Software Design	0:30

Wigger Boelens

Date	Time Start	Time Stop	Action	Time
6-feb.	10:30	10:50	Meeting	0:20
6-feb.	11:00	15:15	Orientation	4:15
6-feb.	15:20	16:45	Individual Assignment	1:25
10-feb.	12:30	13:00	Meeting	0:30
10-feb.	13:10	14:30	Orientation	1:20
11-feb.	12:45	14:00	Orientation	1:15
13-feb.	10:30	11:30	Attending tutor meeting	1:00
13-feb.	11:30	13:45	Working on 5.2c	2:15
14-feb.	14:00	15:40	Working on 5.2c	1:40
14-feb.	16:15	17:25	Working on 5.2c	1:10
15-feb.	15:15	16:45	Working on 5.2c	1:30
24-feb.	10:30	11:30	Tutor meeting	1:00
24-feb.	11:30	15:30	Machine design	4:00
25-feb.	13:30	17:10	Machine design	3:40
25-feb.	22:40	23:20	Machine design	0:40
25-feb.	23:20	0:00	Machine design	0:40
26-feb.	14:20	14:30	Machine design	0:10
26-feb.	15:50	17:10	Machine design	1:20
26-feb.	18:00	19:20	Machine design	1:20
27-feb.	10:00	10:45	Attending presentation	0:45
27-feb.	11:00	11:30	Tutor meeting	0:30
27-feb.	11:30	14:20	Work plan	2:50
1-mrt.	19:25	19:50	Logbook	0:25
1-mrt.	21:20	21:55	Logbook	0:35
2-mrt.	0:00	0:40	Logbook	0:40
2-mrt.	13:10	13:25	Work Plan	0:15
2-mrt.	16:45	16:50	Work Plan	0:05
2-mrt.	19:35	20:30	Work Plan	0:55
3-mrt.	10:45	10:55	Meeting	0:10
3-mrt.	11:05	11:15	Work Plan	0:10
3-mrt.	11:30	13:10	Work Plan	1:40
3-mrt.	15:30	17:20	Work Plan	1:50
4-mrt.	13:40	13:45	Sketching States	0:05
4-mrt.	13:45	13:55	Reread Software Specification	0:10
4-mrt.	14:05	15:10	Sketching States	1:05
4-mrt.	15:30	16:00	Validating	0:30
4-mrt.	16:30	16:50	Validating	0:20
6-mrt.	10:35	11:15	Meeting	0:40
6-mrt.	11:50	12:00	Installing UPPAAL	0:10
6-mrt.	12:05	13:15	Sketching States	1:10
10-mrt.	10:35	11:00	Meeting	0:25
10-mrt.	11:00	13:35	Updating the group logbook	2:35
10-mrt.	13:35	13:50	updating the sketches	0:15
11-mrt.	12:45	13:30	Validating	0:45
11-mrt.	13:30	18:00	Software Specifications	4:30
13-mrt.	10:30	11:15	Meeting	0:45
17-mrt.	10:30	11:10	Meeting	0:40
17-mrt.	11:10	18:00	Software Design	6:50