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# Group Logbook

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20<sup>th</sup> 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

Rolf Verschuuren

Wigger Boelens

Stefan van den Berg

Dat Phung

Maarten Keet

Tudor Petrescu

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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.

# 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	Preparation presentation	0:00

# 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	14:00	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	11:00	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

# Rolf Verschuuren

Date	Time Start	Time Stop	Action	Time
			Individual Assignment (Abstract Project Guide)	
5-Feb	12/31/15 11:00 AM	12/31/99 04:00 PM		5:00
6-Feb	12/31/99 10:30 AM	12/31/99 10:50 AM	Meeting	0:20
6-Feb	12/31/99 11:00 AM	12/31/99 03:15 PM	Orientation	4:15
9-Feb	12/31/99 11:30 AM	12/31/99 02:00 PM	Misc, logbook	2:30
10-Feb	12/31/99 10:45 AM	12/31/99 12:20 PM	Misc	1:35
10-Feb	12/31/99 12:30 PM	12/31/99 01:00 PM	Meeting	0:30
10-Feb	12/31/99 01:10 PM	12/31/99 02:30 PM	Work Plan + Orientation	1:20
13-Feb	12/31/99 10:40 AM	12/31/99 11:15 AM	Meeting	0:35
13-Feb	12/31/99 11:15 AM	12/31/99 02:45 PM	Work Plan	3:30
14-Feb	12/31/99 11:00 AM	12/31/99 11:30 AM	Work Plan	0:30
14-Feb	12/31/99 11:30 AM	12/31/99 12:00 PM	Misc, logbook	0:30
15-Feb	12/31/99 01:45 PM	12/31/99 03:00 PM	Work Plan	1:15
24-Feb	12/31/99 10:30 AM	12/31/99 11:30 AM	Meeting	1:00
25-Feb	12/31/99 11:30 AM	12/31/99 03:30 PM		223 4:00
25-Feb	12/31/99 12:30 PM	12/31/99 05:30 PM	Design of the Sorting Machine	5:00
25-Feb	12/31/99 09:00 PM	12/31/99 10:00 PM	Design of the Sorting Machine	1:00
27-Feb	12/31/99 11:00 AM	12/31/99 11:45 AM	Meeting	0:45
			Design of the Sorting Machine + Work Plan	
27-Feb	12/31/99 11:45 AM	12/31/99 05:00 PM		5:15
3-Mar	12/31/99 10:30 AM	11:30	Meeting	1:00
3-Mar	12/31/99 11:30 AM	17:30	Work Plan v3	
			Machine design validation and testing, work plan v3, polish of machine design	
4-Mar	12/31/99 12:30 PM	12/31/99 06:30 PM		6:00
6-Mar	12/31/99 11:00 AM	12/31/99 11:45 AM	Meeting	0:45
			Software specification inputs and outputs, finite state automaton, state descriptions	
6-Mar	12/31/99 11:45 AM	12/31/99 05:00 PM		5:15
10-Mar	12/31/99 10:30 AM	12/31/99 11:30 AM	Meeting	1:00
			Software specification document layout, etc	
3/10/2015	12/31/99 11:30 AM	12/31/99 04:30 PM		5:00
			Software specification finalizing document, writing validations, documenting decisions	
11-Mar	12/31/99 12:30 PM	12/31/99 06:30 PM		6:00
13-Mar	12/31/99 10:30 AM	12/31/99 11:00 AM	Meeting	0:30
13-Mar	12/31/99 11:00 AM	12/31/99 04:00 PM	SS revision based on feedback	5:00
17-Mar		10:30	11:00 Meeting	0:30
17-Mar	12/31/99 11:00 AM	12/31/99 03:00 PM	Software Design	4:00
18-Mar	12/31/99 10:30	12/31/99 03:00 PM	Software Design	4:30
20-Mar	12/31/99 12:00 PM	???????	Logbook stuff for deliverable	0:00



# Stefan van den Berg

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

## Tudor P

Date	Time Start	Time Stop	Action	Time	Previous
6-Feb	10:30	10:50	Meeting	0:20	0
6-Feb	11:00	15:15	Work Plan	4:15	0
13-Feb	11:15	14:45	Work Plan	3:30	1
3-Mar	10:30	10:50	Meeting	0:20	0
3-Mar	11:00	15:30	Machine Design	4:30	0
4-Mar	16:00	17:00	System Validation and Testing(Machine Design)	3:20	1
6-Mar	10:30	11:30	Meeting	0:24	0
6-Mar	11:39	15:00	Software Specification	2:15	0
10-Mar	10:30	10:54	Meeting	0:40	1
10-Mar	12:00	14:15	Software Specification	1:00	1
10-Mar	15:19	16:00	Software Specification	3:20	1
3/13/2015	10:30	11:30	Meeting	0:24	0
3/13/2015	11:30	15:00	Software Specification	2:15	0
3/17/2015	10:30	11:10	Meeting	0:40	0
17-Mar	11:10	15:09	Software Design	1:00	1
17-Mar	15:30	16:00	Software Design	0:30	1

# Wigger Boelens

Date	Time Start	Time Stop	Action	Time	Previous
	12/31/99	10:30			
6-Feb	AMM	10:50	Meeting	0:20	0
6-Feb	11:00	15:15	Orientation	4:15	0
6-Feb	15:19	16:45	Individual Assignment	1:25	0
10-Feb	12:30	13:00	Meeting	0:30	1
10-Feb	13:10	14:30	Orientation	1:20	1
11-Feb	12:45	14:00	Orientation	1:15	0
13-Feb	10:30	11:30	Attending tutor meeting	1:00	1
13-Feb	11:30	13:45	Work Plan	2:15	1
14-Feb	14:00	15:40	Work Plan	1:40	0
14-Feb	16:15	17:25	Work Plan	1:10	0
15-Feb	15:15	16:45	Work Plan	1:30	1
24-Feb	10:30	11:30	Tutor meeting	1:00	0
24-Feb	11:30	15:30	Machine design	4:00	0
24-Feb	21:55	23:15	Minutes	1:20	0
25-Feb	13:30	17:10	Presentation	3:40	1
25-Feb	22:40	23:19	Presentation	0:39	1
25-Feb	23:19	0:00	Practise presentation	0:40	1
26-Feb	14:19	14:30	Presentation	0:10	0
26-Feb	15:49	17:10	Presentation	1:20	0
26-Feb	18:00	19:19	Presentation	1:19	0
26-Feb	22:15	0:04	Presentation	1:49	0
27-Feb	8:15	8:49	Practise presentation	0:34	1
27-Feb	9:20	9:49	Preparing together	0:29	1
27-Feb	10:00	10:30	Attending presentation	0:30	1
27-Feb	10:30	10:45	Giving presentation	0:15	1
27-Feb	11:00	11:30	Tutor meeting	0:30	1
27-Feb	11:30	14:19	Work plan	2:49	1
27-Feb	17:30	18:00	Cross reading Validation Machine Design	0:30	1
1-Mar	15:49	17:30	Minutes	1:40	0
1-Mar	19:25	19:50	Logbook	0:25	0
1-Mar	21:20	21:55	Logbook	0:35	0
2-Mar	0:00	0:40	Logbook	0:40	1
2-Mar	13:09	13:25	Agenda	0:15	1
2-Mar	16:45	16:50	Agenda	0:05	1
2-Mar	19:34	20:30	Work Plan	0:55	1
3-Mar	10:45	10:54	Meeting	0:09	0
3-Mar	11:04	11:15	Work Plan	0:10	0
3-Mar	11:30	13:09	Work Plan	1:39	0
3-Mar	15:30	17:19	Work Plan	1:49	0
4-Mar	13:40	13:45	Fixing git	0:05	1
4-Mar	13:45	13:54	Reread Software Specification	0:09	1

4-Mar	14:04	15:10 Inventory States	1:05	1
		Make test cases Priorities to Machine		
4-Mar	15:30	16:00 Design	0:30	1
4-Mar	16:30	16:50 Make a validation	0:20	1
5-Mar	15:34	16:00 Agenda, prepare meeting	0:25	0
6-Mar	10:34	11:15 Meeting	0:40	1
6-Mar	11:49	12:00 Installing UPPAAL	0:10	1
6-Mar	12:04	13:15 Inventory states	1:10	1
10-Mar	10:34	11:00 Meeting	0:25	0
10-Mar	11:00	13:34 Updating the group logbook	2:34	0
10-Mar	13:34	13:49 updating the sketches	0:15	0