
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

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 |

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|--------|-------|--------------------------------------|------|
| 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 | 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 |

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|--------|-------|--|------|
| 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 |
|--------|------------|-----------|--|------|
| 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 | |
| 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 | 15:00 | 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 |
|--------|------------|-----------|---|------|----------|
| | 12/30/99 | 10:30 | | | |
| 6-Feb | AM | 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 | 0:00 | 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 | 0:00 | 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 |