

# Meeting Agenda: 2019-09-05

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Group 17: winner\_is\_kungen

Chair: Joakim Anderlind

Participants: Obada Al Khayat, Joakim Anderlind, Lukas Andersson and Mårten Åsberg

## 1. Objectives:

- Discuss Responsibilities
- Draft Conflict resolution strategies
- Draft initial workflow and code standards
- Draft initial User Stories

## 2. Outcomes:

- Discuss Responsibilities
  - All members should be present at meetings
  - Members unable to attend or are late should inform the group
  - No hard requirements regarding the amount of work done, just make sure work is done
  - Acknowledge messages with a response
  - “All for one, one for all” (If you are stuck, ask for help. If someone is having a hard time, offer help)
  - Write a (small) update on workdays to keep everyone up to date.
- Draft Conflict resolution strategies
  - Be honest: Hiding problems to be polite will only escalate the problem.
  - If something is wrong, or a disagreement -> take it up on the next meeting
- Draft initial workflow and code standards
  - Tests should be implemented with Junit where reasonable. 100% test coverage on model is the goal
  - Document everything within reason with Jdoc and comments
  - Use [github.com](https://github.com) as a git repository and task tracker
  - Workflow: make changes on a local feature branch, then create a pull request on origin master, which after a peer review will be merged
  - Members should double check that the code is readable before creating a pull request
  - The following dependencies are required:
    - Java JDK 12.0.2
    - JavaFX 12.0.2

- Maven
- To keep the code readable and uniform, the formatting rules will be implemented:
  - Indents will be created with tabs
  - cameCase will be used for all names in the project

### 3. Tasks Assigned:

- **Mårten** will create a boilerplate JavaFX program as a ground zero
- Members will create user stories for the next meeting 2019-09-09

### 5. Next Meeting:

Next meeting will be Monday 2019-09-09

# Meeting Agenda: 2019-09-09

**Group 17:** winner\_is\_kungen

**Chair:** Joakim Anderlind

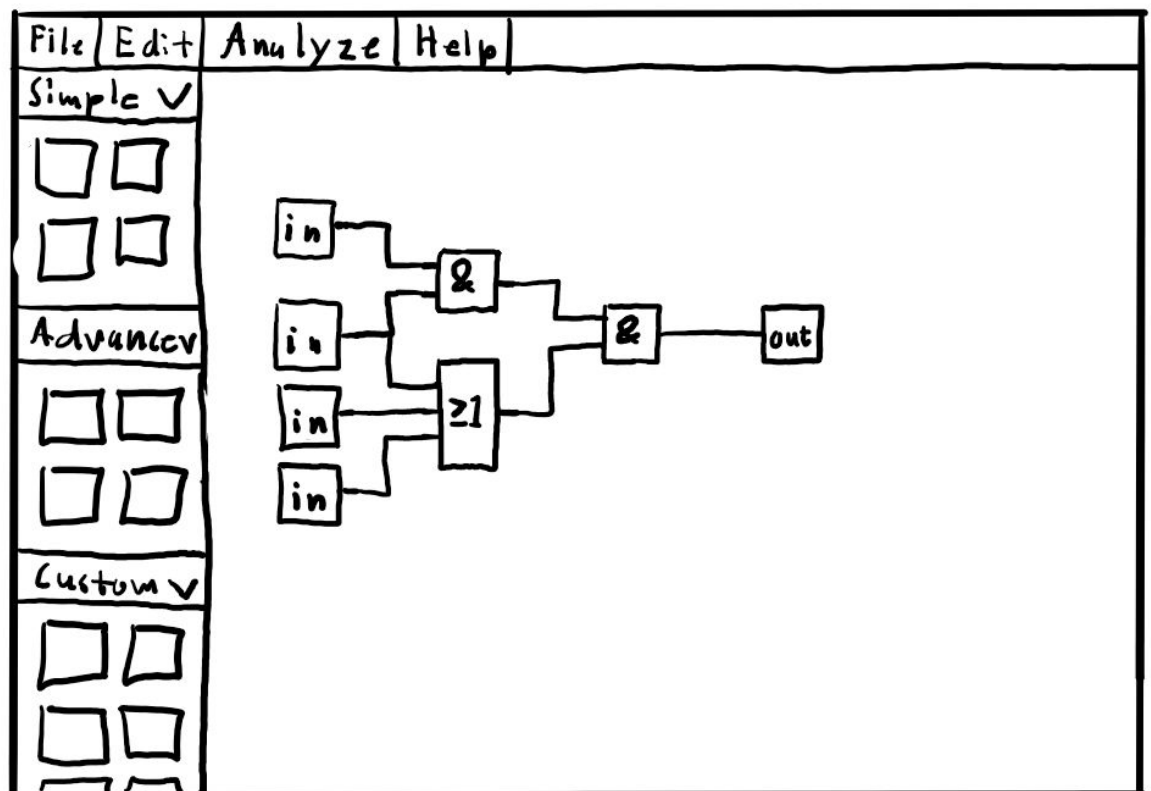
**Participants:** Obada Al Khayat, Joakim Anderlind, Lukas Andersson, Alexander Grönberg and Mårten Åsberg

## 1. Objectives:

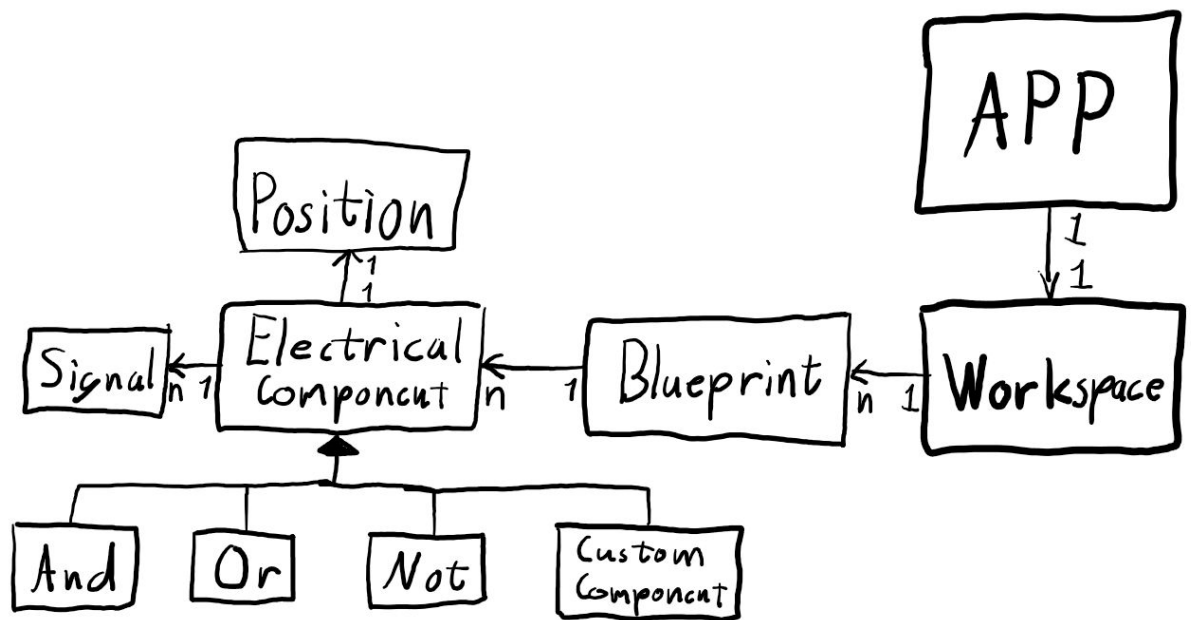
- Bring Alexander up to date on the project and the results of the prior meeting.
- Define a Domain-design for the project
- Rank User stories on priority.

## 2. Outcomes:

- All future project-related discussion will be through Discord
- A first draft of the UI



- An UML dependency chart of the projects domain has been drafted



- All user stories have been sorted by priority. The priority of each story was determined by the vote.

### 3. What we have done:

- **Obada**: wrote 3 user stories on the Backlog
- **Joakim**: wrote 3 user stories on the Backlog
- **Lukas**: wrote 3 user stories on the Backlog
- **Mårten**: created a boilerplate JavaFX program as a ground zero and wrote 3 user stories on the Backlog

### 4. Task Assigned:

- **Obada** will create a Discord server and invite all members.

### 5. Next Meeting:

Next meeting will be on Thursday 2019-09-12

**Mårten** booked EG-3503 12:00-14:00

# Meeting Agenda: 2019-09-12

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**Group 17:** winner\_is\_kungen

**Chair:** Joakim

**Participants:** Obada Al Khayat, Joakim Anderlind, Lukas Andersson, Alexander Grönberg and Mårten Åsberg

## 1. Objectives:

- Create Sprint backlog
- Start the first sprint

## 2. Outcomes:

- Defined the duration of sprint (1 week)
- User story for sprint chosen
- Created tasks to accomplish user story
- Delegated tasks to developers
- Drafted specifications for tasks
- Temporary stop of daily updates

## 3. Next Meeting:

Next meeting will be on Monday 2019-09-16

**Obada** booked EG-3505 12:00-13:15

# Meeting Agenda: 2019-09-16

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**Group 17:** winner\_is\_kungen

**Chair:** Joakim

**Participants:** Obada Al Khayat, Joakim Anderlind, Lukas Andersson, Alexander Grönberg and Mårten Åsberg

## 1. Objectives:

- Expand upon previous domain model
- Prepare for presentation

## 2. Outcomes:

- The domain model has been expanded to 10 nodes
- Preparation for the presentation 2019-09-17

## 3. What we have done:

- **Mårten:** created the rendering system of the program

## 4. Tasks Assigned:

- First scrum implementation and review

## 5. Next Meeting:

Next meeting will be on Thursday 2019-09-19

**Obada** booked F4113 12:00-13:15

# Meeting Agenda: 2019-09-19

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**Group 17:** winner\_is\_kungen

**Chair:** Joakim

**Participants:** Obada Al Khayat, Joakim Anderlind, Lukas Andersson, Alexander Grönberg and Mårten Åsberg

## 1. Objectives:

- Review the results of the sprint
- Find a fix for maven build issues
- Attempt merge of branches
- Draft project structure document
- Define a naming scheme for branches
- Draft design document
  - Discuss implementation of connection between components
  - Create a UML/flowchart diagram
- Discuss JUnit version
- Discuss Goals of next sprint

## 2. Outcomes:

- The sprint was deemed a Failure learning experience.
- The sprint was a failure for the following reasons:
  - The tasks were ill-defined and subjective.
  - There was no specification for the structure of the project.
  - There were no requirements for the completion of the tasks.
  - The tasks were dependent on functionality that was not yet implemented.
- The reason for the maven build failures is not know, more research is needed.
- The project structure has now been documented.
- The design of the component/simulator part of the project has been discussed, more work is needed.

## 3. What we have done:

- **Obada:** created Blueprint class and a mock Component class
- **Lukas:** Initial GUI
- **Alexander:** Incomplete First Draft of the model
- **Mårten:** Created a generic controller for displaying electrical components

#### 4. Tasks Assigned:

- A video-based group programming session on Discord on 2019-09-19 18:00 to create a working demo/ground zero for the project.

#### 5. Next Meeting:

Next meeting will be on Monday 2019-09-23

**Lukas** booked EG-3505 12:00-13:15



# Meeting Agenda: 2019-09-23

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**Group 17:** winner\_is\_kungen

**Chair:** Joakim

**Participants:** Obada Al Khayat, Joakim Anderlind, Lukas Andersson, Alexander Grönberg and Mårten Åsberg

## 1. Objectives:

- Review result of group programming
- Discuss maven build issues
- Discuss a potential sprint

## 2. Outcomes:

- Due to maven errors of unknown causes, future builds will be made with IntelliJ build system.
- However, the maven build script will remain to be compatible with Travis ci
- All future branch names will follow the format  
"{feat|bugfix}-{model|view|controller}-{short-summary}"
- Example: "feat-view-darkTheme"
- Results from the review of the first iteration of the model:
  - How will self call nodes like SR work?
  - How will multiple connections to one input be prevented
- A two-week sprint has been decided
- The goal of the sprint is to have a working prototype of the finished program
- The following requirements have been decided:
  - The ability to drag n drop new components onto a blueprint
  - To be able to connect components in the view and model
  - To be able to run a logic simulator on the components
- To be able to reach these requirements we have constructed the following tasks:
  - Create a factory for different components
  - A function to give the view a list of all available components
  - A class for the visual representation of the model
  - A factory for said class
  - Connect said factory to the view
  - Fix infinity loop problem of self-inputting components
  - Create a Blueprint class to contain and manage components

- Make sanity checks on new connection in the blueprint
- Create Workspace class to contain and manage blueprints ( It should be able to list and return specific blueprints)

### 3. What we have done:

- **Joakim:** Added a node-based logic simulation system.
- **Lukas:** Continued on GUI
- **Alexander:** Added AND & OR gates with tests.
- **Mårten:** worked on a proposal for the model of components.

### 4. Tasks Assigned:

- Members will self-assign tasks and work on them

### 5. Next Meeting:

Next meeting will be on Thursday 2019-09-26

**Obada** booked EG-5215 12:00-14:00

# Meeting Agenda: 2019-09-26

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**Group 17:** winner\_is\_kungen

**Chair:** Joakim

**Participants:** Obada Al Khayat, Joakim Anderlind, Lukas Andersson, Alexander Grönberg and Mårten Åsberg

## 1. Objectives:

- Discuss progress on sprint
- SDD & RAD

## 2. Outcomes:

- All members will try to review pull requests as soon as possible to accelerate development.
- Definition of done for user stories has been defined as:
  - $\approx$  100% code coverage of tests in model
  - All functional requirements have been filled and tested
  - JDoc documentation on all classes & functions
  - No loss of functionality in the program
- The flow of application for SDD as been defined
- Top-level UML of the program for SDD documented
- Tasks created for RAD and SDD

## 3. What we have done:

- **Mårten** has merged a blueprint system to master
- **Joakim** has merged the component simulation system into the master

## 4. Tasks Assigned:

- Continue completing tasks with a due date on 2019/10/3
- **Joakim** will create tasks/project for tracking Document progress.

## 5. Next Meeting:

Next meeting will be on Monday 2019-09-30

**Mårten** booked EG-2516, 11:00-12:00

# Meeting Agenda: 2019-09-30

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**Group 17:** winner\_is\_kungen

**Chair:** Joakim

**Participants:** Obada Al Khayat, Joakim Anderlind, Alexander Grönberg and Mårten Åsberg

## 1. Objectives:

- Clarify tasks
- Discuss the implementation of Component factory
- Discuss id implementations

## 2. Outcomes:

- Only id is sent to view, view is sent back to model
- Discussed tasks in the document.

## 3. What we have done:

- **Obada:** created workspace class + structured the layout of both SDD and RAD and added the UML/sketches we have
- **Joakim:** Merged in safety system to allow self calling logic components
- **Lukas:** Fixed bug where GridPane was not scaling properly
- **Alexander:** First simple draft + added And- & Or Gates.

## 4. Tasks Assigned:

- Continue working on tasks assigned since the last meeting

## 5. Next Meeting:

Next meeting will be on Thursday 2019-10-03

**Mårten** booked EG-3217, 13:00-14:00

# Meeting Agenda: 2019-10-03

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**Group 17:** winner\_is\_kungen

**Chair:** Joakim

**Participants:** Obada Al Khayat, Joakim Anderlind, Lukas Andersson, Alexander Grönberg and Mårten Åsberg

## 1. Objectives:

- Review sprint
- Start next sprint

## 2. Outcomes:

Sprint review:

- What went well
  - Tasks were better defined leading to more efficiency
  - Group synergy has improved
- What did not go well
  - Lack of communication regarding the delegation of tasks lead to wasted time
  - While tasks were better defined, there still needs some polishing
- misc
  - added a group programming session on Thursdays
  - work on document will be logged on discord

## 3. What we have done:

- **Obada:** implemented workspace in the model + wrote introduction and definition of done in RAD.
- **Joakim:** worked on rad
- **Alexander:** updated and or gates + nearly finished component factory
- **Lukas:** Fixed UI bugs
- **Mårten:** implemented a base of the visual representation of the component.

#### 4. Tasks Assigned:

- **Obada** will modify the visual representation of components to use text for icons rather than images
- **Joakim** will add visual representations of connections nodes to the visual representation of component + add tasks completed to and clean up previous meeting protocols.
- **Alexander** will implement mapping from component id to "icon" for the pallet
- **Lukas** will implement a pallet system for the view.
- **Mårten** will add UUID to components in the model.

#### 5. Next Meeting:

Next meeting will be on Monday 2019-10-07

**Obada** booked EG-5215 12:00-13:00

# Meeting Agenda: 2019-10-07

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**Group 17:** winner\_is\_kungen

**Chair:** Joakim

**Participants:** Obada Al Khayat, Joakim Anderlind, Lukas Andersson and Mårten Åsberg

## 1. What we have done:

- **Lukas:** Worked on Component List Item
- **Joakim:** Change module name from logic gates to components fix visibility in model

## 2. Next Meeting:

Next meeting will be on Thursday 2019-10-10

**Obada** booked Yonath in the library 12:00-14:00

# Meeting Agenda: 2019-10-10

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**Group 17:** winner\_is\_kungen

**Chair:** Joakim

**Participants:** Obada Al Khayat, Joakim Anderlind, Lukas Andersson, Alexander Grönberg and Mårten Åsberg

## 1. Objectives:

- Resolve merge conflicts
- Create a working demo
- Discuss RAD and SDD progress

## 2. What we have done:

- **Obada:** changed icons to text in componentView + RAD and SDD
- **Alexander:** Added mapping from logic types to Components in component factory
- **Joakim:** Added connections
- **Lukas:** Added component list items, and added them to component list, and then added them to view

## 3. Tasks Assigned:

- Work on RAD and SDD

## 4. Next Meeting:

Next meeting will be on Monday 2019-10-14

**Mårten** booked EG-5213 12:00-13:00



# Meeting Agenda: 2019-10-14

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**Group 17:** winner\_is\_kungen

**Chair:** Joakim

**Participants:** Obada Al Khayat, Joakim Anderlind, Alexander Grönberg, and Mårten Åsberg

## 1. Objectives:

- Discuss new sprint
- Discuss code ratio

## 2. What we have done:

- **Joakim** has written on System arch / System design and created UML for the model
- **Mårten** has written UI and quality in RAD + 2 user stories
- **Lukas** has written the introduction on the SDD

## 3. Tasks Assigned:

- **Joakim** and **Mårten** working other groups code review
- Rest of group continues coding
- Everyone completes at least one task on SDD or RAD.

## 4. Next Meeting:

Next meeting will be on Thursday 2019-10-17

**Lukas** booked EG-2515 12:00-13:00

# Meeting Agenda: 2019-10-17

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**Group 17:** winner\_is\_kungen

**Chair:** Joakim

**Participants:** Obada Al Khayat, Joakim Anderlind, Alexander Grönberg and Mårten Åsberg

## 1. Objectives:

- Discuss end game

## 2. What we have done:

- **Alexander:** Working on input components for view
- **Lukas:** Working on Save/Loading workspaces
- **Mårten:** Peer review
- **Obada:** Working on Tabs in the workspace, almost done
- **Joakim:** Added a couple of user stories, Peer review

## 3. Tasks Assigned:

- Joakim and mårten will finish code rev
- Rest of group continues coding
- Everyone completes at least one task on SDD or RAD.

## 4. Next Meeting:

Next meeting will be on Monday 2019-10-21

**Obada** booked EG-3217 11:00-12:00

**Lukas** booked EG-3503 12:00-13:00

# Meeting Agenda: 2019-10-21

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**Group 17:** winner\_is\_kungen

**Chair:** Joakim

**Participants:** Obada Al Khayat, Joakim Anderlind, Lukas Andersson, Alexander Grönberg and Mårten Åsberg

## 1. Objectives:

- Discuss needed tasks for the completion of the sprint
- Discuss work needed for RAD and SDD

Lukas was late and his punishment is having to attend the last math lecture.

## 2. What we have done:

- **Alexander:** Input component and tests.
- **Obada:** Finished tab, create new files.
- **Lukas:** Finished saved load, fixed small things.
- **Joakim:** Fixed model to better fit dm.
- **Mårten:** Rewrote component factory to allow different component controller.

## 3. Tasks Assigned:

- **Alexander:** Fixed UI input in input controller
- **Obada:** Connection point color on update
- **Lukas:** Connect save & load to UI,
- **Joakim:** RAD & SDD,
- **Mårten:** RAD & SDD,

## 4. Next Meeting:

Next meeting will be on Thursday 2019-10-24

**Lukas** booked EG-3503 12:00-14:00

# Meeting Agenda: 2019-10-24

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**Group 17:** winner\_is\_kungen

**Chair:** Joakim

**Participants:** Obada Al Khayat, Joakim Anderlind, Lukas Andersson, Alexander Grönberg and Mårten Åsberg

## 1. Objectives:

- Discuss needed tasks for the completion of sprint
- Discuss work needed for rad and sdd

## 2. What we have done:

- **Mårten:** Created Output component controller Output
- **Obada:** Connections points show component output value + structured all meetings agenda
- **Alexander:** Input component basically done
- **Joakim:** Fixed rad sdd, added peer review.
- **Lukas:** Incorporated save/load into UI