

# Programming Life - SCRUM plan #2

Group 5/E:

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## 1 Introduction

In this SCRUM plan we define the tasks we want to complete in this sprint. Every task is assigned to one or two developers and an estimate is provided for the effort required.

For each SCRUM run a milestone is created at GitHub, with issues for the tasks selected. The issues for this milestone can be found on: <https://github.com/FelixAkk/synthbio/issues?milestone=9>.

## 2 Selection and assignment of tasks

Because this is the second iteration, we think we will find less unexpected tasks. The available time is more than last time, so we want to do more work than in the last iteration. For this iteration, the goal is to end up with a GUI that supports basic circuit design and a back-end that supports basic circuit handling (loading/saving/validating).

### Available time

The time available is five mornings in two weeks by five people. That's about twenty hours per person, however, some time should be reserved for the meetings. So the total effort available is about 90 man hours.

A list of tasks, assignments and effort estimations is included in a table.

### Presentation

Results for this iteration will be presented thursday may 4, 12:15 in DW-PC 0.010.

Task	Developer	Effort	
		estimated	actual
#18 Server: Save circuit	Jan Pieter		
#19 Server: Load circuit	Jan Pieter	12	Actual
#20 Server: Validate circuit	Jan Pieter		
#26 Server: Serve saved circuits	Jan Pieter	3	Actual
#21 Server: Connection to simulator	Albert	12	Actual
#27 Server: Convert circuit to simulator input	Albert	3	Actual
#4 Client: Javascript scaffolding	Thomas	10	Actual
#22 Client: Gate scaffolding and rendering	Felix		
#24 Client: Drag-and-drop gates to working area	Felix	14	Actual
#25 Client: Move gates in the working area	Felix		
#30 Client: Draw wires between gates	Niels		
#31 Client: Draw input/output wires	Niels	14	Actual
#28 Reflection scrum plan 2	Thomas	3	Actual
#29 Scaffolding scrum plan 3	Thomas	1	Actual
#32 Code review	Everyone	5 * 4	Actual
Total		92	-
Optional tasks <sup>1</sup>			
- Server: Simulate circuit	-	Planned	Actual
- Client: Validate circuit	-	Planned	Actual
- Client: Load circuit	-	Planned	Actual
- Client: Save circuit	-	Planned	Actual
- Client: Specify proteins for wires	-	Planned	Actual
Total		-	-
Grand Total		92	-

<sup>1</sup>Things from next iterations that could be done if sufficient time is available