

Breakdown structure estimates per activity

Estimated activity in days

A.1. Requirements & Constraints: interview, documenting	0.5
A.2. Literature research, find matching technologies	3
A.3. Impact analysis on problematic scenario's	0.5
A.3.a Investigate technical factors which lead to problems	1.5
A.3.b Design solutions for scenario's	2
B.4. Compare and Discuss designs, define POC's	1
C.5. Execute first POC	8
C.6. Execute second POC	7
C.7. Execute max third POC	7

Average days needed for the project / research 28

Estimated Proof of concept / Breakdown in days

Learning a tool and/or language	1.5
Installing / Getting started	0.5
Introduction in ecosystem libraries	2
transforming data	2
implementing the POC	3
possible debugging	1.5
performance testing	1.5
documentation	1

Average Subtotal (incl. Risks) 8

Visualisation in calendar days based on estimates per activity

iteration	period	mon	tue	wed	thu	fri
1	07-03 / 11-03					
	14-03 / 18-03	Plan				Demo
2	21-03 / 25-03					
	28-03 / 01-04	Plan				Demo
3	04-04 / 08-04					
	11-04 / 15-04	Plan		Dentist		Demo
4	18-04 / 22-04					
	25-04 / 29-04	Concept 1				
NA	02-05 / 06-05					
	09-05 / 13-05		Concept 2			
NA	16-05 / 20-05					Print Thesis
	23-05 / 27-05	End				

Activity per iteration

Iteration 1	Activities A.1 to A.3
iteration 2	Activity B.4 and C.5
iteration 3	Activity B.4 and C.6
iteration 4	Activity B.4 to C.7

Colors explained for when this document is printed in black/white:

	Light Blue
	Darker Blue

Notes

Concept (1,2)	Concept versions of thesis are send to students' supervisor
Demo	The student will deliver / demo results from Proof of concept the gathered data and observations
Dentist	The student has an appointment, personal note for reference
Plan	The team and management evaluate and plan the next iteration
Print thesis	The thesis will be send to the copy shop
End	Planned date to deliver / send the thesis for Commission Final end date stated by Hogeschool Utrecht is on 31-mei-2016