	Activity Points	Planned	Actual hours					
Jke 5(23.01.15-3	30.01.15) Sprint 1							
	Declare expectations and goals		7 8					
	Define the case		7 8					
	Responsibilities	3.	5 3.5					
	Supervisor meeting	3.	5 3.5					
	Customer meeting	1	4 14	Sum estimated	hours	114	Estimated per pers	16.28571429
	First report	2	1 23	Sum actual hou	rs	122	Hours per person	17.42857143
	Status report							
		5	7 61					
e 6(30.01.15-0	06.02.15) Sprint 2							
	Organizing		1 2.5					
	Framework	1	4 14					
	Team Meeting	2	1 21					
	Requirements	1	4 4					
	Customer meeting	1	4 14					
	WBS		3 11					
	Product backlog	2	1 21					
	Scenario/Use Case		4 12					
	Handing in the first report	1	4 7					
	Risk analysis		4 2.5					
	Architecture	1	4 14					
	Architecture - Diagram		1 1.75					
	Writing on the report		4 9.25	Sum estimated	hours	130	Estimated per pers	18.57142857
	Status report		1 1.5	Sum actual hou	rs	135.5	Hours per person	19.35714286
		13	0 135.5					
7 (06.02.15-	13.02.15) Sprint 3							
	Organizing		2 1.5					
	Requirments		3					
	Burndown Chart		2 1.5					
	Gantt/Milstone		4 2.5					
	Database Sketch		2 1.5					
	Customer meeting	1	4 14					
	Flowchat		2 2					
	Report		2 13					
	Name		1 0.5					
	Scrum-meeting	2	1 27					
	Supervisor meeting		7 4					
	API-test		4 5					
	Mockup Design	1	2 8					
	Collaborative filtering research		5 6					

Activity Points	Р	lanned Act	ual hours				
Startup with the framwork		35	11	Sum estimated hours	132	Hours per person	18.85714286
Design of Architecture - Report		8		Sum actual hours	105.5	Hours per person	17.58333333
Papirprototype - utkast		5	2	Minus en person denne u	ken		
Differences los/Android(prototyping		3	3				
		132	105.5				
13.02.15 - 20.02.15) Sprint 4							
Report		10	2				
External Comunication		1	0.5				
Organizing		2	3				
Customer meeting		14	14				
Scrum meeting		21	21				
Supervisor meeting		0	0				
Requirments		8	8				
Docker		10	16				
Reuse Stedr		12	2				
Categorie Mapping		2	8				
Evaluation of prototypig		28	14				
Back-end		0					
DB Code		4	1.5				
Front-end							
Mockup		10	10	Sum estimated hours	142	Hours per person	20.28571429
Usertesting		5	2	Sum actual hours	114.5	Hours per person	16.35714286
Frontend testing		15	12.5				
		142	114.5				
0.02.15-27.02.15) Sprint 5							
Organizing		2	3.5				
Customer meeting		14	14				
Report		10	8.25				
External Communication		0.5	0				
Scrum meeting		21	15				
Supervisor meeting		7	7				
Harvesting.		20	21				
Loging backend (Authen)		10					
Funksjonell database		8	7				
AngularJS model		4	1				
DB communication in	Plenum		7				
PHP file		5	4				
AngularJS		5	1				
Front-End							
Prototype		4	7				

Activity Points		Planned Ad	tual hours					
Usertesting		3	2					
Login view		8	8					
Story view		10	11	Sum estimated	hours	141.5	Hours per person	20.21428571
List view		10	8	Sum actual hou	rs	126.75	Hours per person	18.10714286
Other:	Catergory mapping, testing research		2					
Total		141.5	126.75					
2.15-06.03.15) Sprint 6								
Organizing		2	1.5					
Customer meeting		14	10.5					
Report		10	9					
External Communication		0.5	0					
Scrum meeting		21	17.5					
Supervisor meeting		0	0					
Overhead Testplan		4	11.5					
Backend								
Harvesting Finalized		10	5					
Frontend communication		15	0					
DB - Add/Edit user (AngularJS/PHP)		8	12					
DB - Tag/add to lists (AngularJS/PHF	?)	8	0					
DB - Add/Edit story (AngularJS/PHP)		8	13					
DB - Communication out		5	7					
PHP til AngularJS			16	Estimated				
Filtering			3.5	Backend	Frontend	Other		
Frontend			5.5	54	33	51.5		
Usertesting		5	13.5					
Prototype changes		2	4.5					
SASS		1	1					
Setting View		6	3	Sum estimated	hours	141.5	Hours per person	20.21428571
Story view		10	5	Sum actual hou	-		Hours per person	21
List view		5	3					
Login view		4	2					
AngularJS		3	3					
		141.5	147					
3.15-13.03.15) Sprint 7								
Organizing		2	2					
Customer meeting		6	6					
Report		10	24.5					
External Communication		0.5	0.5					
Scrum meeting		6	14					
Other meetings		10	0					
Supervisor meeting						_		

A eth ith (Delete		Die	etual hauma					
Activity Points			ctual hours					
TestPlan		5	7					
Frontend								
View communication	Frontend Polish	3	3					
Hente data fra backend	Frontend/Backend	2	2					
Legg til bruker/Sjekk om det er b		5	1					
Svg fonts	Frontend		3					
Prototype		5	4					
Preferanse view		10	9					
Startup views	Frontend Polish	8	6.5					
Styling	Frontend Polish	5	1					
				Estimated				
Backend		0	2.5	Backend	Frontend	Other		
Frontend Com	Frontend/Backend	0	2.5	55	38	31		
Database		0	1	Actual				
Weighting of categories	Backend	2	2	36	29.5	60		
Managing lists		8	5					
Managing Rating		8	3					
Contentbased filtering/Find fram	work	25	15	Sum estimated I	hours	139.5	Hours per person	19.92857143
Docker		5	5	Sum actual hour	rs	125.5		17.92857143
Algorithm		7	0					
-		139.5	125.5					
13.03.15-20.03.15) Sprint 8								
Organizing		2	2.5					
Customer meeting		6	6					
Report		50	65.75					
External Communication		0.5	0					
Scrum meeting		6	7					
Other meetings		10	0					
Testplan		5	6					
Testing		5	2					
Frontend		2	2.5					
Fixing		0	2.5					
Video - Fixing		0	1					
farger/toner		2	2					
Recomendation		5	5					
Onboarding		4	2.5					
Kategori		3	2.5	Estimated				
rategon		3	4		Frontend	Other		
Backend				Backeriu 27		_	1	
Dackeriu				1 21	1 10	04.5	1	

Activity Points	Planned	Actual hours					
Docker	2	3	28	19.5	89.25		
User	4	3.5					
Lists	0	1					
Contentbased filtering	4	3					
Mahout	10	9	Sum estimated h	nours	127.5	Hours per person	18.21428571
State Update	2	2	Sum actual hour	rs	136.75	Hours per person	19.53571429
	127.5	136.75					
03.15-27.03.15) Sprint 9 - BETA MILESTONE							
Organizing	2	2					
Customer meeting	6	6					
Report	10	3					
External Communication	0.5	0					
Scrum meeting	6	5					
Other meetings	10	2					
Supervisor meeting	7	4					
Frontend							
Polish	15	12					
Testing	10	9					
Settings	2	2	Estimated	1			
Login	2	4			Other		
Story	2	3	49	31	41.5		
Testing			Actual	1			
Backend		6	56	30	22		
Content-based filtering	20	16					
Harvesting	0	2					
Docker	4	6					
Fixing	10	16					
Testing	10	7					
Mahout	5	3	Sum estimated h		-	Hours per person	17.35714286
			Sum actual hour	rs	108		15.42857143
	121.5	108					
03.15 - 07.04.15) Påske							
Påskeuken			Sum estimated h	noure	7	Hours per person	1
	7	7	Sum actual hour		- /	Hours per person	1
Brukertesting	7	7	Sum actual nour	3			1
	7	7					
04.15 - 17.04.15) Sprint 10		,					

Activity Points	Planned Ac	tual hours			
Customer meeting	6	6			
Report	0	0			
External Communication	0.5	0			
Scrum meeting	6	11			
Other meetings	10	9			
Testing	2	0.5			
Peer eval	10	12			
Frontend	5	10.5			
Polish	15	12			
Testing	4	3			
List	0	3	Estimated		
Settings	4	7	Backend Fronten	d Other	
Bookmarks	0	3	65	11 36.5	
Bruker data	4	7	Actual		
Bugs	5	5.5	67	54 40.5	
IOS	4	3			
Android		5			
Backend	10	14			
Collaborative filtering	5	6			
Content-based filtering	5	6	Sum estimated hours	142.5 Hours per person	20.35714286
Docker	5	8	Sum actual hours	166.5	23.78571429
Fixing	15	13			
Mahout	15	14			
Database	10	6			
	142.5	166.5			
7 (17.04.15 - 24.04.15) Sprint 11					
Organizing	2	2			
Customer meeting	6	6			
Report	20	17			
External Communication	0.5	0			
Scrum meeting	6	6			
Other meetings	10	0			
Frontend	5	4.5			
Polish	20	15			
Testing	5	1			
Bookmarks	2	3.5			
Onbaording	5	7	Estimated		

Activity	Points	Planned	Actual hours					
Bugs		5	3.5		Frontend			
				40	42	44.5		
Backer		10		Actual	ı			
Testing	l	10		35.5	34.5	31		
Fixing		5						
	prative filtering	10	12					
Conter	t-based filtering	5	4.5					
Databa	se	0	2	Sum estimated h	nours	126.5	Hours per person	18.07142857
				Sum actual hour	S	105.5		15.07142857
		126.5	105.5					
3 (24.04.15 - 01.0	5.15) Sprint 12 - Final build							
Organi	zing	2	3					
Custor	ner meeting	6	0					
Report		20	14					
Extern	al Communication	0.5	0					
Scrum	meeting	6	6.5					
Other	neetings	10	9					
Frontei	nd	5	13.5					
Polish		10	8					
Testing		10	14					
Bookm	arks	2	0	Estimated				
Onbao	rding	4	3.5	Backend	Frontend	Other		
Bugs		5	9.5	50	36	44.5		
				Actual				
Backer	nd	5	6	65	48.5	32.5		
Testing		15						
Fixing		15						
	prative filtering	10		Sum estimated h	nours	130.5	Hours per person	18.64285714
	t-based filtering	5		Sum actual hour		146		20.85714286
3301						10		
		130.5	146					
9(01.05.15 - 08.05	5.15) Sprint 13							
Organi		2	2					
	ner meeting	- 6						
	/Documentation	30						
	al Communication	0.5						
	meeting	6						
	neetings	10						

Activity Points	Planned	Actual hours			
Frontend					
Polish	10	11.5			
Testing	10	6			
Bugs	10	18.5			
Backend					
Mail	4	. 5			
Testing	20	22			
Fixing	15	0.5			
Polish	10	4	Sum estimated hours	133.5 Hours per person	19.07142857
			Sum actual hours	126.5 Hours per person	18.07142857
Ferdig innlevering til supervisor 08.05	133.5	126.5			
0(08.05.15 - 15.05.15) Sprint 14					
Organizing	2	2			
Customer meeting	6				
Report	90	92.5			
External Communication	0.5				
Scrum meeting	6	6			
Other meetings	5	10			
Testing	5	8			
Frontend					
Polish	5	13			
Bugs	5	27			
Testing	10	0			
Backend					
Fixing	5	4	Sum estimated hours	139.5 Hours per person	19.92857143
			Sum actual hours	162.5	23.21428571
15.05 Ferdig endelig utkast	139.5	162.5			
30.05 Innlevering					
			Sum estimated hours	1862 Hours per person	266
			Sum actual hours	1828.5	261.2142857
					18.65816327

Activity Points	Planned	Actual hours				

Activity Points	Planned	Actual hours				

Activity Points	Planned	Actual hours				

Activity Points	Planned	Actual hours				

Activity Points	Planned	Actual hours				

Activity Points	Planned	Actual hours				

Activity Points	Planned	Actual hours				

Activity Points	Planned	Actual hours				

Activity Points	Planned	Actual hours				

Activity Points	Planned	Actual hours				

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Activity Points	Planned	Actual hours				

Activity Points	Planned	Actual hours				

Activity Points	Planned	Actual hours				