Project Plan
Group 17

ETSF01

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Role assignment to group members

Project Manager

Responsible for coordinating the development work, the communication with the project supervisor, the coordination of the acceptance test activities.

Assigned: Tommy Ivarsson

Tool Developer

Performs dedicated development and verification tasks.

Assigned: Tommy Ivarsson, Oscar Olsson, Fredrik Pettersson, Simon Thörnqvist, Erik Westrup, Jonas Klauber

User Representative (Customer)

Responsible for planning and coordinating acceptance test activities.

Assigned: Jonas Klauber, Oscar Olsson

User (Acceptance Tester)

Performs acceptance test tasks.

Assigned: Simon Thörnqvist, Erik Westrup, Fredrik Pettersson

Effort allocation per deliverable and per week

Project Plan (PP) Estimation: 24 hours.

As we have experience writing project plans we have estimated this a bit lower than the suggested 10%.

Tool Version 1 (TV1) Estimation: 62 hours.

Implementation always takes longer time than you expect.

Burn-down Chart 1 (BC1) Estimation: 20 hours.

As we have never written burn-down charts before we assume that our first time will be a lot more time consuming than the second. The first time also includes things as setting everything up and learning how it works.

Tool Version 2 (TV2) Estimation: 62 hours.

Same as TV1.

Burn-down Chart 2 (BC2) Estimation: 7 hours.

As explained in BC1 we expect that our second time doing almost the same thing will take shorter time.

User Manual (UM) Estimation: 24 hours.

As this is not the first time we are writing a user manual we expect the time consumed on this deliverable to be a bit lower than the suggested amount.

Acceptance Test Report (ATR) Estimation: 47 hours.

In order to test the partner group's product properly and thereby give proper feedback we have chosen to spend a lot of time on this deliverable.

Retrospective Report (RR) Estimation: 24 hours.
As the project group is quite small and will be working close together a lot of the information for the RR will already be known amongst the entire group which will make the project conclusion easier.

Total estimation Total estimation: 270 hours.
This corresponds to a per person estimate of 45 hours for the entire project.

Tasks, requirements and assignments

Each requirement is broken up in one or more tasks. Each task is effort estimated and assigned to an iteration, which in turn assigns requirements to iterations. For each iteration the tasks included in that iteration are assigned to at least one developer.

Estimations have been derived through planning poker. Unit testing is included in each estimation. Iteration 1 has 11 man hours reserved for meetings and general discussion, iteration 2 has 23 such hours.

Usability requirements have been evaluated with a target group in mind comprised of software project leaders with extensive computer experience.

Task 0: **Iteration 0**

Description	Build development environment.
Developer(s)	All developers are involved
Dependencies	None
Estimation (h)	5
Task derived from requirement(s)	FR 01/02
Iteration	1

Task 1: **Data structure**

Task 1.1: **Define and implement Data structure Interface.**

Description	Interface should be implemented according to similarity function needs.
Developer(s)	Tommy Ivarsson, Oscar Olsson
Dependencies	None
Estimation (h)	14

Task derived from requirement(s)	FR 01/02
Iteration	1

Task 1.2: **Implement Data structure according to interface specified in Task #1.1.**

Description:	Data structure should be implemented according to Task #1.1.
Developer(s)	Jonas Klauber, Simon Thörnqvist
Dependencies	Task #1.1
Estimation (h)	10
Task derived from requirement(s)	FR 01/02
Iteration	1

Task 2: **Parse data according to the structure**

Description:	A parser should be built to be able to parse data to fit the data structure.
Developer(s)	Fredrik Pettersson, Erik Westrup
Dependencies	Task #1.1
Estimation (h)	14
Task derived from requirement(s)	FR 01
Iteration	1

Task 3: **Implement correct usage of units.**

Description:	All output should be formatted with the following units: person-hours, person-days, person-months, person-years.
Developer(s)	Tommy Ivarsson, Oscar Olsson
Dependencies	None
Estimation (h)	3
Task derived from requirement(s)	FR 03
Iteration	2

Task 4: **Similarity look-up function.**

Task 4.1 : **Define an interface of the similarity function**

Description:	The similarity function should be defined with arguments and return values.
Developer(s)	Jonas Klauber, Simon Thörnqvist
Dependencies	Task #1.1
Estimation (h)	3
Task derived from requirement(s)	FR 04/05
Iteration	1

Task 4.2 : **Implement a UI to let User define and pass threshold to similarity function.**

Description:	The user should be able to specify a parameter used in calculation of similarity.
Developer(s)	Jonas Klauber, Simon Thörnqvist
Dependencies	Task #4.1
Estimation (h)	8
Task derived from requirement(s)	FR 04/05
Iteration	2

Task 4.3: **Implement UI to inform User of result from similarity function.**

Description:	The user should be informed if the achieved similarity is below the given threshold.
Developer(s)	Jonas Klauber, Simon Thörnqvist
Dependencies	Task #4.1
Estimation (h)	4
Task derived from requirement(s)	FR 05
Iteration	2

Task 4.4: **Implement similarity function.**

Description:	The similarity function should be implemented according to interface defined in Task #4.1.
Developer(s)	Fredrik Pettersson, Erik Westrup

Dependencies	Task #4.1
Estimation (h)	10
Task derived from requirement(s)	FR 05
Iteration	2

Task 5 : **Estimation calculation.**

Task 5.1 : **Define how estimation is calculated and implement required interfaces.**

Description:	Find suitable algorithm and specify parameters, output and what constraints it imposes on data structure etc.
Developer(s)	Tommy Ivarsson, Oscar Olsson
Dependencies	Task 1.1
Estimation (h)	5
Task derived from requirement(s)	All requirements
Iteration	1

Task 5.2 : **Implement estimation calculation.**

Description:	Implement the estimation calculation algorithm according to Task #5.1
Developer(s)	Tommy Ivarsson, Oscar Olsson
Dependencies	Task #5.1
Estimation (h)	10
Task derived from requirement(s)	All requirements
Iteration	2

Task 5.3 : **Implement UI to let user run estimation calculation.**

Description:	The user should be able to run an estimation calculation.
Developer(s)	Fredrik Pettersson, Erik Westrup
Dependencies	Task #5.1
Estimation (h)	4

Task derived from requirement(s)	All requirements
Iteration	2