Retrospective Document
Sprint - 4
< 29.05.2016 >

Work & Test Progress

Code (IM$_1$, … IM$_n$) & List the implementation milestones (<u>only short descriptions</u>) planned for this sprint along with their completion percentages. (Do not list any details at workpackages/tasks level.)

Milestone Code	Milestone Description	Percentage
$\mathfrak{I}_1$	*Completion of unfinished parts & General code optimization*	90 %
$\mathfrak{I}_2$	*Implementation of Visualization & Reporting modules*	25 %
$\mathfrak{I}_3$	*Integration of the web services and ML services.*	90 %

Code (TM₁, … TMₖ) & List the testing milestones (<u>only short descriptions</u>) planned for this sprint along with their completion percentages. (Do not list any details at workpackages/tasks level.).

Test Milestone Code	Test Milestone Description	Percentage
TM_1	*Selection of most proper model for a given problem*	100%
TM_2	*Getting tasks from website & running last added task*	100%
TM_3	*Reducing high dimensional data to 2 and 3 dimensions*	*100%*
TM_4	*Choosing data sector from the web*	*100%*
TM_5	*Shell script run on local*	*100%*

Team Progress

List the team members along with their contribution percentages. Make sure that you have declared realistic numbers.

Team Member	Contribution Percentage
Merve Bozo	25%
Mustafa Orkun Acar	25%
Setaç Kağan Aydın	25%
Yaşar Berk Arı	25%

Left-overs (Backlog)

List the milestones (<u>only short descriptions</u>) that could not be completed in this sprint along with their left-over percentages. Give your reasons for each of the incomplete milestone(s).

Milestone	Milestone	Reason	Percentage

Code	Description		
$\mathfrak{I}_1$	*Completion of unfinished parts & General code optimization*	*We have almost done this milestone. Unfinished parts are related to metadata creation part of the project. We have been trying to get a machine from the department and also TUBITAK. We got a machine from TUBITAK, but the softwares that we need was not installed. Because we do not have root permission, we could not install them manually. The department gave us a machine 2 days ago, however we need to wait until required softwares are installed by admins.*	10%
$\mathfrak{I}_2$	*Implementation of Visualization & Reporting modules*	*Used t-sne library for dimensionality reduction for visualization is not advanced enough and has limited usability. We may need to use Spark's PCA. For creating visuals, we need to integrate an external library such as Chart.js or GNU plot library.*	%75
$\mathfrak{I}_3$	*Integration of the web services and ML services.*	*Shell script of integration of the web services and ML services is working by manually. Since the machine learning side is not finished completely we are waiting for the proper paths and codes to run integration process by automatically on the web server.*	10%

Team Comments

Your comments (if any) regarding to this completed sprint.

Since the design and preparation of poster, presentation, website and other visuals and our application for TUBITAK competition took great deal of time, we had some left-overs which will be completed by the demo day.

Assistant Evaluation

Assistant's (Team Leader's) comments regarding to this completed sprint.

Write down your comments if the team has not made satisfactory progress in this sprint.

Also indicate whether the team's report on their progress (i.e. the reported completion percentages in the retrospective document) are accurate.

This section should be filled in by Assistant (Team Leader)

Supervisor Evaluation

Supervisor's (Team Leader's) comments regarding to this completed sprint.

This section should be filled in by Supervisor