

## **Requirements catalogue:**

System: “Sentiment analysis for Persian language” ( with focusing on Enterprise Tracking and Rating)

Date: 21.05.2014

### **1. Functional Requirements:**

#### 1.1 Input Persian text

Description: entered text by user which wanted to have sentiment analysis on it.

#### 1.2 Text analysis

##### 1.2.1 Tokenise

Description: splits the text into very simple tokens such as numbers, punctuation and words of different types

##### 1.2.2 Split sentences

Description: segments the text into sentences that is required for the tagger

##### 1.2.3 Tag each part of the text with the use of [2.1]

Description: This produces a part-of-speech tag as an annotation on each word or symbol

#### 1.3 sentiment detection

##### 1.3.1 Create an algorithm for this step

## **2. Non-functional requirements:**

### **2.1. Using lexicon based method to get sentiment of the Persian text.**

- 2.1.1. Gathering Persian adjectives and phrases from different resources
- 2.1.2. Implementing a web application for voting Persian people
- 2.1.3. Giving the sense of each adjective depends on the votes they get.

- **More Non-Functional Requirements**

### **2.2. Implementation requirements**

Description: the application should load from different browsers without any special configuration or settings.

### **2.3. Interface requirements**

Description: the application should have a good interaction among what user need from the analysis and what the system shows as a result.

### **2.4. Operations requirements**

Description: application should be responsible if user wants to copy a text from other resources and paste it there to have its sentiment analysis. (Right click inability)

### **2.5. Packaging requirements**

Description: application should be with its required formats, fonts, libraries... and user shouldn't need to do any additional task to make the text readable or acceptable.

## 2.6. Scalability

Description: input text from user would be in the range of 1 – 2000 characters.  
For huge text user needs to divide it in different parts.