

## Development of Text Scanner

### 1. Project Overview:

The goal is to develop a useful program that allow the user to input any text, and the program will return the most occurrence word with the number of occurrences.

The result should be in pair. For example, each word with its matching numbers.

#### Scope:

The requirements are to develop a text analyzer that reads a file and return statistics about that chosen file.

- It has to return the number of occurrences of all words in the file, sorted by the most frequently used word.
- Not only that, but the output also has to be a set of pairs, and each pair has to present as a word and how many times it has been counted in the file.
- Language can be python or java, but we decided to work with java.
- We are working on output a specific number of outputs. For example, if a user wants to see the top 10 most frequent word.

## References

DI	Title
Texcount.java	Text Scanner

## Records

Most of the project scope has been already cover. The first version is very good and return the most frequent word.

Next version will be more enhanced.

## 2. Project Structure and management

### Personnel

Name	Roles	Contact
Beethoven Marhone	Software Developer	bmarhone@valenciacollege.edu
Beethoven Marhone	Project Coordinator	bmarhone@valenciacollege.edu
Beethoven Marhone	Sr Software Dev	bmarhone@valenciacollege.edu

## Project Charter

Project Name: Text Scanner

Project Sponsor: Valencia College

Date: February 10, 2021

Project Manager: Beethoven Marhone

## Schedule

<b>Information Gathering</b>	Chat with user and sponsors to know what they would like to see.	<b>3 days from start date</b>
<b>Implement Test Case</b>	Design how the program should response to user requests.	<b>Simultaneously</b>
<b>Implementation</b>	After gathering planning, the implementation. Next will be the coding and debugging phase.	<b>2-3 weeks</b>
<b>Testing</b>	Allow the client and sponsor to test and experience the app before completing the project.	<b>After Implementation is done.</b>

IDE

We use Eclipse to develop and design the project, and use GitHub

(<https://github.com/Beethom/softwaredev/tree/master/wordcount>) for

repository.

### Summarized Plan for Implementation

- Gather Requirements
- Illustrate diagrams and Testcase
- Coding and Testing
- End User Review
- Performance Testing
- Launching