Recess R Project

Version 1.0

Revision History

|  |  |
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| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
| 2018-23-07 | 0.01 | Initial Draft | Nakaweesi Caroline |
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# Introduction

## Purpose of this document

In this document, there is an overall description of the Chat Analysis System of NSSF Organization. It includes what we managed to implement in the development of this system, and what was partially implemented or dropped during the course of the system development. It will help the intended audience to have a full understanding of our system and have knowledge on how we achieved the different system functionalities.

## Intended Audience

This document is to be read by the project sponsors, project managers, the development team, marketing staff, and NSSF company executives in order to know more about the system, how it functions and how to use it.

## Scope

The project is aimed at analyzing data provided by the NSSF organization. It will have summaries of the data such as the most frequently used words and any other high quality information which can be used to draw conclusions and make decisions. This system will use data sent by customers from all over the world but the largest set of datasets will be collected from Uganda and Kenya as the largest number of NSSF customers are located in these two countries.

## Definitions and acronyms

### Definitions

|  |  |
| --- | --- |
| **Keyword** | **Definitions** |
| Word Cloud | Visual representation of text data in form of single words whose importance is visualized by way of their size and color |
| Data Visualization | Presentation of data in graphical format |

### Acronyms and abbreviations

|  |  |
| --- | --- |
| **Acronym or**  **abbreviation** | **Definitions** |
| NSSF | National Social Security Fund |

## References

# “Web Project” Final Project document.

# Background and Objectives

The users of the system should have knowledge about data visualization which includes bar graphs, histograms, pie charts as well as word clouds. The main actors of the system in this project are the system administrator, data analyst, marketing staff and company executives. All these actors have different roles depending on their positions in the organization.

# Organization

## Project Manager

**Atusasiire Zipporah** is the Manager of the group.

## Project Group

|  |  |
| --- | --- |
| **Name** | **Responsibility** |
| Atusasiire Zipporah | Project manager, Analysis, Implementation, Designing, |
| Ajambo Victoria | Implementation, Documentation, Analysis |
| Nakaweesi Caroline | Implementation, Documentation, Designing, Analysis |
| Waiswa Brian Victor | Implementation, Analysis, Documentation, Analysis |

## Steering Group

**Mbabazi Isaac**

**Kange Noah**

**NSSF IT staff**

## Customer

**NSSF Organization**

## Others

# Milestones

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Id** | **Milestone Description** | **Responsible Dept./Initials** | **Finished week** | | | | **Metr** | **Rem** |
| **Plan** | **Forecast** | | **Actual** |
| **Week** | **+/-** |
| M-001 | Project Description & Documentation | N.C | 25-06-2018 | 2 | -3 days | 22-06-2018 | N | Fair |
| M-002 | Requirement Definition | A.V | 25-06-2018 | 0 | 25-06-2018 | Y | Good |
| M-003 | Project Design | W.B and A.Z | 09-07-2018 | 2 | +2 | 11-07-2018 | Y | Good |
| M-004 | Final Presentation & delivery | A.Z,A.J,N.C,W.B | 25-07-2018 | 0 | 25-07-2018 | Y | Excellent |

## Remarks

|  |  |
| --- | --- |
| **Remark Id** | **Description** |
| R-001 | It was a good experience to give a Presentation in Chat Analysis using R |

# Project Results

## Requirements

### **Requirement Compliance Matrix**

|  |  |  |  |
| --- | --- | --- | --- |
| **Id** | **Requirement Description** | **completed** | **Rem** |
| Web-1 | System Administration Requirements | Yes |  |
| Web -1.2 | Administrator should be able to adjust system parameters. | Yes |  |
| Web -1.3 | Administrator should login first before accessing the system dashboard | Dropped |  |
| Web -1.4 | Administrator should be able to add/ modify the system. | Yes |  |
| Web -1.5 | Information to different members. | Yes |  |
| Web -2 | Project leader Requirements. | Yes |  |
| Web -2.1 | Project leader should be able to define baseline plan. | Yes |  |
| Web -2.2 | Project leader should be able to manage project group. | Yes |  |
| Web -2.3 | Project leader should be able to monitor individual work. | Yes |  |
| Web -2.4 | Project leader should be able to define milestones, activities, resources & financial plans etc… | Yes |  |
| Web -3 | Look & Feel and Language | Yes |  |
| Web -4 | Gantt Chart | Yes |  |
| Web -5 | Users of the system should login using the same password | Dropped |  |
| Web -6 | Verification using a Google verifier | Dropped |  |
|  |  |  |  |

Completed: Yes (completely implemented)

No (not implemented at all)

Partially (partially implemented, more description under Remarks subsection)

Unknown (completion status not known)

Dropped (requirement was dropped during the course of the project)

## Work Products and Deliverables

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **To** | **Output** | **Planned week** | **Promised week** | **Late +/-** | **Delivered week** |
| Nakaweesi Caroline | Project Description & Documentation | **W1 and W2** | **W1** | Yes | **W2** |
| Ajambo Victoria | Requirement Definition | **W1and W2** | **W2** | No | **W2** |
| Waiawa Brian Victor and Atusasiire Zipporah | Design Project | **W3 and W4** | **W4** | No | **W4** |
| Group 2 | Final Presentation & delivery | **W4** | **W4** | No | **W4** |

### **Remarks**

|  |  |
| --- | --- |
| **Remark Id** | **Description** |
|  |  |
|  |  |
|  |  |
|  |  |

# Project Experiences

## Positive Experiences

The main experience we have gained from this project is team work. We also learnt about new software like R Studio. This project has helped us to improve on our analysis skills through using the different techniques like text mining.

## Improvement Possibilities

We have experience that if we will organize our resource according to requirements then we can make the project more successful.

# Financials

## Project Cost Summary

|  |  |
| --- | --- |
| Planned Cost | 50000shillings |
| Actual Cost | 40000 shillings |

# Metrics

## Milestone Metrics

|  |  |  |
| --- | --- | --- |
| Completed as planned or earlier | Total | Timeliness |
| 18 | 19 | Achieved |

## Effort Metrics

|  |  |  |  |
| --- | --- | --- | --- |
| **Activity** | **Actual Effort** | **Planned Effort** | **Deviation (%)** |
| Requirements Gathering | 75 | 80 | -6.25 |
| Analysis | 85 | 100 | -15 |
| Web Page | 180 | 220 | -18.18 |
| Implementation | 450 | 500 | -10 |
| **Total** | **1237** | **1260** | **22.09** |

|  |  |
| --- | --- |
| **Effort estimation accuracy (%)**  *(100\*(1 - abs(Actual – Planned)/Actual))* | 96.14% |