

**Deakin University**

CEQuery

Project Scope

Project Team

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# Document Revision History

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| 31-03-2019 | 1.0 | Sameed Kashif | The document was prepared |  |  |

# Motivation / Problem Description

The issue with the previous version was that it was only working on windows XP and as the time passes by with more advanced technology and methodologies. The project needed to be upgraded in a way where it can be used on any device having any certain kind of operating system.

So the aim is to upgrade the project in such a way that it becomes browser compatible with google chrome and every device can run that browser. Thus providing the availability to all devices. This finished project will be compatible with all devices through that browser and it will have better graphical user interface as compared to the predecessors and with the addition of some easy to use way.

# Context

The current version of the project is only compatible with windows XP and the task is to make the application capable of working on any platform and operating system. For that purpose we agreed that the application can be web based and it will work on google chrome so any device can use chrome. Because of that the application will be able to run on any platform and operating system.

The GUI will be improved as well as some additional ease of use additions.

# Value Proposition

Updating this software in its current form could improve reporting for these universities significantly and eliminates the need for outdated software. It could be used by any tertiary institution that incorporates those survey questions and could be branded Deakin for branding recognition across the tertiary sector.

# Core Idea/User Stories/Requirements

The core idea is to develop a web based application which will take the input from an excel file consisting of words, phrases and read those words and decide whether they represent positive feedback or negative and depending upon that analysis, a graph will be made showing the positive and negative words. That graph will represent the feedback.

# Target Deliverables

The following goals have been identified as dependencies that need to be addressed early in the life cycle of the project.

* The capability to upload an xslx, or csv spreadsheet file to the software.
* The software processes the file to determine domains and subdomains.
* The output is in the form of a graphical dashboard.
* The dashboard can be saved as a pdf and selected graphics can be exported as either jpg or png files

# Roadmap

The roadmap to the execution and delivery of this project is detailed subsequently.

## Execution Strategy

Explore the input data provided and confirm if acceptable for the focus of Proof of Concept

* Incremental approach will be used and the project will be developed over a set of sprints
* After every sprint the prototype will be tested accordingly and after it meets the goal
* Next sprint will be started
* After the completing of goal, research report will be produced (thesis) which will explain the working of the system and the manual.

## Sprint 1

**Goals**

The goal of Sprint 1 is to deliver scope document and work with the squad to agree on the acceptance criteria and priority for the deliverables. After the initial introduction of the project and development tools are agreed upon.

**Target deliverables**

* Workflow flowchart that has been agreed upon by all parties
* Scope document (this document) that has been agreed upon by all parties
* Communication and delivery expectations that has been agreed upon by all parties

## Sprint 2

**Goals**

The goal of Sprint 1 is to deliver the end to end infrastructure so we can start collaboratively planning the interfaces to enable integration efforts to commence.

* Update or tweak the existing interface made by the existing squad 1.
* Start understanding the working of the back-end
* Upskill and finalise the tools needed for back-end integration
* Start the back-end development

**Target deliverables**

* Tools will be agreed upon
* A basic interface will be made to start the back-end working

## Sprint 3

**Goals**

The goal of Sprint 3 is to build upon the Increment in Sprint 2, namely by adding:

* Back-end integration
* Input/output Validation

**Target deliverables**

* A basic working project
* Back-end integration to some extent
* GUI finalised

## Sprint 4

**Goals**

The aim is to finalise the project depending upon how the progress went in the previous sprint. The aim to start finalising even if not the end point.

**Final deliverables**

* Final GUI
* Back-End integrated
* Full Working

# Limitations, Constraints and Considerations

The limitations, constraints and considerations of the project are as follows:

* The only system it needs to integrate with is the university web site and would need password access for staff. Future enhancement.
* The document to be uploaded should be in xlsx or cvs file format
* The feedback will be shown in the form of graph