

**Deakin University**

Project Title

Project Proposal

Project Sponsor

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# Document Revision History

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| **Date** | **Version** | **Editor** | **Reason** | **Supervisor Signature** | **Client Signature** |
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# Motivation / Problem Description

* Justify the problem and why we are undertaking this project
* Briefly talk about the problem
* Briefly talk about the vision of this project – the ultimate goal. What would be the main outcome(s) of the project
* How this project would be different from what is existing, if any.
* (These are advisory points only, feel free to cover all, some, add new points to cover, etc. Same for all heading/points in the below sections.)

# Context

* Background of the problem
* Current state-of-the-art
* Gaps/Problems in current solutions
* Factors contributing to the problem
* What else you need to tell us?

# Value Proposition

* What are the benefits of adopting this solution in terms of:
  + Commercial
  + Social
  + Technological
  + Operational

# Core Idea/User Stories/Requirements

* What is the core idea of your solution? Eg use Natural Language Processing to automate document summarisation, use a chatbot to assess a user’s understanding of the subject matter, etc

# Target Deliverables

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

1. A something something that:
   1. Does this
   2. And this too
   3. And that
   4. And this
2. A thingy encapsulating:
   1. Stuff
   2. Hopes
   3. Dreams

*Notes:*

* *If any.*

# 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
* Incrementally,
  + Build and deliver a docker container with blah blah functionality (to permit the client team to explore integration & validate it fits within the target deployment environment)
  + Refine the docker container and provide updates to (client name) with incremental features
* Prepare research report
* Provide knowledge transfer

## Sprint 1

**Goals** (these are examples)

The goal of Sprint 1 is to deliver scope document and work with (client name) to agree on the acceptance criteria and priority for the deliverables. These can be decomposed to:

* Project success criteria
* Problem domain clarification
* Visual depiction of the workflow in a flow chart of the processes that this project will automate

**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** (these are examples)

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 on (client name)’s side. These can be decomposed to:

* Get an end to end solution working
* Collaboratively create an output data format / schema (in collaboration with client)
* Prepare a suitable environment within a docker container to encapsulate and execute the transformation process

**Target deliverables**

* A docker container encapsulating the transformation engine
* An invocation script that accepts the input folder, output folder and invocation parameters
* A deployment document that describes how to install and use the solution

## Sprint 3

**Goals** (can be amended based on how Sprint 2 goes)

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

* Error logging
* Input/Output Validation
* Transformation logic

**Target deliverables** (can be amended based on how Sprint 2 goes)

* A docker container encapsulating the transformation engine
* An invocation script that accepts the input folder, output folder and invocation parameters
* A deployment document that describes how to install and use the solution
* List of errors and associated meaning
* Sample dataset to validate the transformation engine reported results

## Sprint 4

**Goals** (can be amended based on how Sprint 3 goes)

The goal of Sprint 3 is to…

* bang
* pow
* smash

**Final deliverables** (can be amended based on how Sprint 3 goes)

* thing 1
* thing 2
* thing 3
* thing n

# Limitations, Constraints and Considerations

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

The following constraints apply for the PoC and need to be considered when integrating the outputs produced in a larger workflow/pipeline,

* The blah needs to work on AWS as that is technology stack used by (client).
* The transformation engine needs to be in Python as that is technology stack used by (client).
* This project will not focus on UI/UX refinements, instead focusing on implementation of the functionality
* The front end will conform to Web Content Accessibility Guidelines of at least AA.