

**Deakin University**

CSIRO

Project Scope

Project Sponsor

Company/Department, Name

Project Team

Team #1

Name, Student ID

Name, Student ID

Name, Student ID

Name, Student ID

Name, Student ID

Name, Student ID

Name, Student ID

Name, Student ID

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# Document Revision History

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# Motivation / Problem Description

* Annotating the text or marking the pages with notes is good, if not essential, way to make most out of the reading you do college courses. Doing like this every time is time taking process, So, Annotations make you easy to find the information quickly when you look back and review a text.
* Normally, when a person reading a text or sentence there may be a possibility to undergo with some complicated words in a text, to better understand that text one will search the suitable meaning of that word and then rephrases their text in a simple way. Likewise, every time they got a critical word, we are going to spend some more time to get an appropriate meaning & rephrasing. To overcome this problem, we came up with the solution like annotating the text using online vocabularies.
* The vision of this project is to create a web service that annotates a text with definitions taken from controlled vocabulary services. Accurate understanding of a text can be enabled by hyperlinking all technical terms to the intended definitions. Our project outcomes are ultimately we are developing a tool to
  + 1. Detect words or phrases with in a text that have definitions in one or more source vocabularies.
    2. Allow the user to select an alternative term to replace the complicated one.
    3. Inserting a hyperlink to the definition.
* In already existing projects like this they have a solution like highlighting the complicated words or phrases automatically which makes easier for the user and he can search instantly for the alternative term. But our project differs from them is like tool will be detecting the complicated phrases and it will be highlighted by itself with a hyperlink which contains the alternative and better term to replace it then and there we are redirecting to different page.
* A well-annotated text will accomplish the following:
  1. Express the main ideas of the text.
  2. Introduce a few of the readers thoughts and reactions.

# Context

* Proper coding is the main backdrop of the problem.
* We are working on this and trying to make the tool more colourful and innovative with what is needed for the project and without any drawback.

# Value Proposition

The benefits of adopting this solution in terms of:

* + Commercial: The company’s might buy the web application if the solution provided is useful for their work
  + Social: benefits the users by getting the definition of the word there itself without searching separately.
  + Technological: Using node.js and Express.js the building of faster API is easy.
  + Operational: The CRUD (create, read, update and delete) operation can be done by this solution.

# Core Idea/User Stories/Requirements

* The core idea is using the restful API’s and node.js the web application is designed for the annotation of text.
* The requirements are java script/node.js, Html/css, bootstrap and web application platform

# Target Deliverables

1. Project Output:
   1. Need to develop a website which should be unique among other related websites
   2. We need to develop a tool to detect words in a text that have definitions in one or more source vocabularies that allows the user to select which definition applies to usage of term in the context.
   3. Need to provide a document report of market study and feasibility to have an idea about other similar systems.
2. Enterprise architecture diagrams:
   1. Need to develop an enterprise architecture diagram and provide a document.
   2. These would be the deliverable targets for this project.

# Roadmap

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

## Execution Strategy

* Upskilling the Node.js and java and html, css as well script programming language for development of website and focus on how to develop front-end and back-end.
* And also enterprise architecture diagrams will show the functionalities and also working of the model of the project
* Prepare research report on market and feasibility study.
* Upskilling UI/UX for user interface design.

## Sprint 1

**Goals**

The goal of Sprint 1 is to form as a team and create a slack channel from communication and develop the skill of using Github and Trello:

* Project roles distribution.
* Brainstorming among the team for what skill they are good at.
* Meeting with the supervisor and discussing about the project.

**Target deliverables**

* Scope document (this document) that has been agreed upon by all team members.
* Communication and delivery expectations that has been agreed upon by all parties.

## Sprint 2

**Goals**

The goal of Sprint 1 is to deliver a market study and feasibility study report so that we can have an idea about different systems which are existing with similar type of mechanisms and define the success criteria and clarifying the domain which we are suppose to work on. 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**

* A report on market study and screenshots of that particular websites.
* A diagram on infrastructure of how we are going to build this project.

## 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:

Creating a mock-up's for the data and designing the webpage.

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

* A perfect designed webpage with all the front-end development.
* A report on how we developed and a report on testing.

## Sprint 4

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

Generally, the goal of Sprint 4 is to build upon the Increment in Sprint 3. The main goal of sprint 4 is handover the project scope within agreed time period. Project scope is most critical part for any kind of project because it is the planning stage.

**Target deliverables**

* Project scope.
* Final user interface design of the webpages.
* Gathered user stories.

# Limitations, Constraints and Considerations

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

* Web designers are needed to focus on exact client requirements.
* There is no main web designer for the group. So that, each and every one should concentrate about coding part.
* Need to deliver with agreed time, cost and scope.
* Everyone should focus on implementation of the functionality.
* Maintain a project plan is more critical for get an idea about each stage of the project.

# 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.