

Propensity Life Tracker – Ariadne Project

Business Requirement Document (BRD)

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Version and Approvals

VERSION HISTORY			
<u>Version #</u>	<u>Date</u>	<u>Revised By</u>	<u>Reason for change</u>
1	27/Nov/2021	Abhinandan Umakant Jawalekar	Initial Document Preparation
2	06/Dec/2021	Karthikeyan Suresh Kumar	Updated the additional requirements and points from the second transition meeting

This document has been approved as the official Business Requirements Document for ProPensity Life Tracker, and accurately reflects the current understanding of business requirements. Following approval of this document, requirement changes will be governed by the project's change management process, including impact analysis, appropriate reviews, and approvals.

DOCUMENT APPROVALS			
<u>Approver Name</u>	<u>Project Role</u>	<u>Signature/Electronic Approval</u>	<u>Date</u>
Teresa Snelgrove	Project Lead/Owner	<i>Teresa Snelgrove</i>	Dec 17, 2021
John Pickard	Project Manager	<i>John D. Pickard</i>	Dec 17, 2021

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Project Details

Project Name	Propensity Life tracker
Project Type	<i>Phase II</i>
Project Start Date	19/Nov/2021
Project End Date	21/Apr/2022
Project Sponsor	Teresa Snelgrove
Project Manager/Dept	Brunilda Xhaferllari/ Research and Innovation

Overview

This document defines the high-level requirements Propensity Life tracker. It will be used as the basis for the following activities:

- Creating solution designs
- Developing test plans, test scripts, and test cases
- Determining project completion
- Assessing project success

Document Resources

Name	Business Unit	Role
Teresa Snelgrove		Project Owner
John Pickard		Project Manager - Client

Project Overview

4.1 Project Overview and Background

Propensity is a tool that helps a user capture a succession of thoughts or memories through dialogues/conversations with an intelligent agent (Like Alexa or Siri). Our agent is called “Ariadne”. Through this tool, people can have conversations with Ariadne, which in turn analyses those conversations and converts them into meaningful reports which highlight the sentiment, subject, mood analysis of a person.

The tool could have alternative uses: A mood monitor, mental health monitor, sentiment analysis, or bias analysis, etc. It could be offered as a wearable device, a smartphone app, etc.

4.2 Project Dependencies

- Collect details of all the performed tasks done by the Phase 1 team and the necessary documents. Also, arrange a meeting with the Phase 1 team for knowledge transfer.
- Gather the existing data used for training/testing of the model and know about data creation for the project.
- Source code of the project

4.3 Stakeholders

The following comprises the internal and external stakeholders whose requirements are represented by this document:

	Stakeholders
1.	Teresa Snelgrove
2.	John Pickard

Key Assumptions and Constraints

5.1 Key Assumptions and Constraints

#	Assumptions
1	The working models for Sentiment and Taxonomy classification developed in Phase 1 are having an accuracy of 70% and 25% respectively.
2	The input datasets shared for the models are up to date.
#	Constraints
1	The tasks completed in the previous phase must be conveyed to the new team accurately to ensure a smooth start to the next phase.
2	The Phase 1 team has hinted that the data for training/testing the application is very limited.
3	Time frame is the time targeted for the completion of a task.

4	Selecting a machine learning model, for the classification of Tense and Subject will be based on extensive research on what model would be a perfect fit for the classification topic.
5	The clients are the driving and the success factor for each project. They are the ones who take key decisions regarding the project.
6	Like the previous challenge if the client provides delayed responses which compromise the delivery date.

Business Requirements

The business requirements of the documents are as follows:

ID – Prefix	ID – Number	Function/Feature/Requirement	Required	Comments
R	0001	Find possible ways to improve and enhance the performance of the current working models.		
R	0002	Create new datasets/monologues to train the model.		
R	0003	Design and develop a database to save the input data to be consumed and the output data generated by the machine learning model.		
R	0004	Research on machine learning models which would be the best fit for the Tense and Subject classification.		
R	0005	Implement the finalized machine learning algorithm for the Tense and Subject classification.		
R	0006	Develop interactive reports based on the data from the ML models.		