Template - Requirements Specifications Document

# Introduction

## Purpose – *The purpose of this product is to enhance revenue by building data pipelines that can be used to analyze the tendencies and behaviors of customers that purchase insurance policies.*

## Intended Audience and Use – *Use is intended for business and data analysts.*

## Product Scope – *The product scope is focused on insurance policies and increase in their revenue.*

## Definitions and Acronyms

# Overall Description

## User Needs – *Ultimately this will be used for accessibility to user/customer data which can be used in various ways to understand customer tendencies. The pipelines can also be modified and added onto for the future. This can be used by many different teams and departments.*

## Assumptions and Dependencies – *We are assuming that a data pipeline in AWS can be sufficient in storing our data in S3 and undergoing transformations through Databricks onto Redshift. We are also assuming that the data pipeline does not exceed our partitioned budget for the project.*

# System Features and Requirements -*In order for your development team to meet the requirements properly, we must include as much detail as possible. This can feel overwhelming but becomes easier as you break down your requirements into categories.*

## Functional Requirements - *Functional requirements are essential to your product because, as the name implies, they provide some sort of functionality. Asking yourself questions such as “does this add to my tool’s functionality?” or “what function does this provide?” can help with this process. You may also have requirements that outline how your software will interact* *with other tools*

## External Interface Requirements - *You may also have requirements that outline how your software will interact with other tools There are several types of interfaces you may have requirements for, including:*

### User

### Hardware

### Software

### Communications

## System Features - *System features are a type of functional requirements. These are features that are required in order for a system to function.*

## Nonfunctional Requirements - *Nonfunctional requirements, which help ensure that a product will work the way users and other stakeholders expect it to, can be just as important as functional ones. These may include:*

### Performance requirements

### Safety requirements

### Security requirements

### Usability requirements

### Scalability requirements

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