**Project Crystaltek Use Case Document**

1. **Document Information**

|  |  |
| --- | --- |
| **Document Title** | Data Analytic Platform |
| **Document Owner** | Project Crystaltek |
| **Version** | V2.0 |
| **Status** | N/A |
| **Date** | 25/02/2023 |

1. **Brief Description**

The aim of your project is to deliver an analytics platform for real-time tracking of performance. This will be in line with making it more current with the latest features in the market, relevant for our business. This includes data representation, enhanced filtering, and data visualisation and making the interface and interaction of users to be seamless.

1. **Actors**

* Primary actors: Super admin and admin will be able to interact with the DAP to track performance metrics
* Secondary actors: The DAP should be able to retrieve and process data from Tritek’s system through the aid of the API.

1. **Pre-Conditions**

* The users will have a system in which they can log in
* The user credentials have been validated and have approval rights
* The users will have a platform to which the API will be connected with
* The DAP platform should have access to LMS and Basecamp
* The users must have email addresses that can be validated.

1. **Basic Flow**

* The user logs into the DAP
* The users search for specific performance metrics through the filtering feature on the DAP
* The DAP will retrieve available data (revenue, projects, success stories, Number of candidates, Courses, Number of Lessons on LMS, Number of visits to Tritek’s Website, LMS, and Basecamp) from LMS, Tritek Website, and Basecamp through the connection of the API
* The DAP will integrate the appropriate data needed
* The DAP will analyse the data
* The user will generate the report needed.
* The DAP will store the information on the platform
* The user can view, share or print out the reports generated by the DAP.
* The user logs out of the system

1. **Alternate/Exception Flow**

* If Tritek’s system is down then the data cannot be collected

1. **Post-Conditions**

* The DAP can access Tritek’s database 24/7
* The DAP can get all of the data from LMS, Tritek Website, and Basecamp.
* The DAP will be able to capture both real time and historical data
* The DAP facilitates Data collection, Data management and Data governance.
* The DAP aids Data visualization through the Dashboards and reports can be produced in Charts and tables.

1. **Supplemental Requirements**

* Notifications: The DAP generates Notifications through email and popup Messages.
* Appearance: The landing page must have Tritek’s themes and colours
* Data-driven: The DAP Must be able to interpret performance data
* Data quality: The data to be analysed must be clean, relevant, and reliable data
* Data loss: The DAP must be able to prevent and minimise errors caused by the current manual system and prevent data loss through the use of data backup.

1. **Visual Model (Use Case Diagram)**

login

Retriev Data

Analyse Data

Store Data

Reports

Verify profile

Display login Error

View Data

Profile set

-

up

Extension Point, Profile

help, Privacy Info.

Verify data Source

<<

include

>>

include

>>

<<

Super

-

admin

Admin

Go to profile help

Show privacy

information

>>

<<

extend

<<

extend

>>

Logout

<<

include

>>

extend

>>

<<

1. **Revision History**