# Project Overview

Project Name: D2.Data.Api

Project Description:

This is a library and REST API that can be used to acquire data from Destiny2 servers that can then be used to seed a Front End or tied into an ETL pipeline etc.

Project Objective:

This project will provide the needed tools to pull from destiny2 servers the information an arbitrary Fron End might need.

Start Date: 2/27/2025

End Date: \*\*/\*\*/\*\*\*\*

# Business Need

Necessity:

To improve the availability of Destiny2 data.

Beneficiary:

Other Developers looking to make use of Destiny2’s Data.

# Strategic Alignment

The D2 Data project is a perfect fit for the Brands image: Automating, providing a data pipeline and enhancing data availability is what I enjoy doing.

# Scope

Features:

Offers API to Run the ETL.

Offers high-level API to query the database for items, stats etc.

Offers API to transform data into whatever format you need for your use-case.

Functions:

API is asynchronous and multithreaded.

Deliverables:

A Collection of API for managing D2 Data.

# Options

**Alternatives**: We could use SSIS or Spark, but these alternatives are over-engineered for the size of this project. Libraries like Pandas or Polars will be used but not to the extent that they are normally implemented. We could if budget permits, add these as alternatives.

**Reason for Current Choice**: We are using a custom data pipeline and raw implementation because the amount of data is less than 1TB and can be managed on a single trivial OTC machine.

# Benefit Analysis and ROI

<BusinessCaseCostbenefitAnalysis.xlsx>

# Risks & Dependencies

|  |  |  |
| --- | --- | --- |
| **Risk Factor** | **Probability** | **Mitigation Strategy** |
| Time Overrun | Medium | Set milestones, track progress weekly |
| Skill Gaps | Low | Utilize online resources and documentation |
| Job Market Variability | Medium | Network actively and tailor project for industry needs |

# Project Timeline

The project is estimated to take 120hrs

# Key Stakeholders

Me