functional requirements - what do we want the system to do without thinking about specific hardware etc

technical requirements - the specifics of how we are going to achieve the functional specification

The aim of the project overall. 1 sentence to describe everything we want to achieve.

Defining the key stake holders for the project and then ensuring the requirements previously outlined meets the needs of each stakeholder.

Research into programs that do a similar job and specifically the issues these systems have. Once complete a rough analysis into how it compares to our proposed idea

Functional Requirements

1. Upload data file directly, through SQL Server or through some API
2. Visualizations
   1. Table
   2. Graphs
   3. Charts
3. Editing data to change visualizations (maybe)

Technical Requirements

1. HTML
2. CSS
3. JavaScript
4. Few external libraries as possible
5. Hosting the website(maybe)
6. SQL Database

Aim

A website that visualizes data with various methods of data import and visualizations

Stakeholders (I am not very sure about this one)

1. Data scientists that are unfamiliar with programming (users)
2. Programmers (us)

Similar Program

light.gg – This website takes a video game API, specifically Destiny 2, to showcase the items that you can get in that game. Each item drops in multiple variations, so website allows you to experiment in all variations to check its stats. The website even allows its users to check details about its items that are hidden in game and allows users to inspect the item before it is available in game. This website also presents all its data in a pleasant aesthetic and responsive controls to view them. I cannot really find any issue with this website as it pretty much does what it sets out to do. The difference between this website and ours is that this is static in what type of data it will receive (the items are varied but the format is the same) and because it is static, it would have been easier to represent data in a good way for users. I wonder how we are going to achieve our data representation if data is not going to be very static. Due to the nature of this website, it only receives data from a single source, the game API. Ours will receive from various sources, including the ability to import data by user.