**COMP-2702 – Data Management  
Final Project Proposal**

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**Project Name: Steam Market Value Analysis**

**Project Date: 17th April**

**Project Description:**

This project’s goal is to analyze the market to identify key submarkets that have the most growth potential, as determined by certain KPI’s such as a genre’s total revenue, whether that market is open and lastly what percentage of the total market it makes up.

I chose this project due to my connection with Game Development and my interest in the business world of games.

**Business Case:**

As video games increase in popularity, steam is holding a dominant position. Due to this they have the largest quantity of valuable data. Due to this game developers could benefit massively from knowing which genres are the best investment of time, as games take quite a while to develop, being able to create one that is still in demand by the time it’s finished is vital.

My chosen data source is Steam itself. Steam provides a wealth of publicly available information through it’s API.

1. **Business Rules/Assumptions**

* A game can have multiple tags.
* A tag can be applied to multiple games.
* A game can have multiple genres.
* A genre can be applied to multiple games.
* A game can have only one release date.
* Multiple games can release on the same day.
* A game can have only one developer.
* A developer can create many games.
* A game can have only one publisher.
* A publisher can publish many games.

1. **Entity Relationship Diagram (ERD)**

**A screenshot of a computer

Description automatically generated**

1. **Power BI Dashboard**

I am going to use a Pi chart to show the most popular tags, a table to represent the market value of each genre, a line chart to the publishers who have published the most games, a treemap to display most popular developers and a gauge chart for the highest reviewed game on the platform.

1. **Annexure**

**During this project I went through many iterations of tables to find what fits my data set best. I ended up settling on a few pie charts, an area chart, a radar chart , a horizontal bar chart, a line chart, and a few matrices. Also throughout the project I have normalized more fields and thus have a new ERD. It is attached with my submission.**