

**Create a short 1-page project proposal that covers the following:**

**1. Project Title:**

- ❖ Video Game Sales

**2. Team Members:**

- ❖ Khoi Duong

**3. Project Description/Outline:**

- ❖ Video games occupy countless young individuals' time and attention; it's no surprise the video gaming industry is valued at over \$50 billion annually. Because of the capital around video games, some investors may seek specific information about video game sales. As a result, analyzing global video game sales can produce useful information.

**4. Research Questions to Answer**

- ❖ What genre generates the most sales?
- ❖ What genre gets the best reviews?
- ❖ What country generates the most sales?
- ❖ What publishers are the most successful in each genre?
- ❖ What publishers generate the most revenue?
- ❖ Are certain genres more popular in certain countries?
- ❖ Do certain genres on average generate more revenue?
- ❖ What are the most popular games in each genre (based on sales or user/critic reviews)?
- ❖ What years had the most sales?
- ❖ What years had the most popular games (based on user/critic reviews)?
- ❖ Gross sales overall by Genre, Publisher, and Country?
- ❖ Do certain Ratings get better reviews (Mature, Everyone, Teen, etc.)?
- ❖ Top Developers by Genre?

**5. Datasets to Be Used**

- ❖ Global Video Game Sales & Ratings dataset from Kaggle

**6. Rough Breakdown of Tasks**

- ❖ Prepping the Data
  - Finding the data source
  - Cleaning/testing data in Jupyter Notebook
  - Creating ERD Diagrams and merging databases/tables
- ❖ Planning the Visualizations
  - Identifying questions to answer
  - Selecting Visualizations
  - Selecting additional JS library (Google Charts)
- ❖ Creating SQL Queries
  - Creating Flask APIs
  - Querying merged database to create charts
- ❖ Designing the Dashboard
  - Create visualizations
  - Create HTML & CSS files
  - Create views for each genre
  - Create additional site pages