

# BLG 317E - DATABASE SYSTEMS

## FALL 2025 (CRN: 13505 & 13508)

### PROJECT PROPOSAL

Note that your selected dataset should be extensive enough to allow at least 5 main tables, and each table must have at least 3 non-key columns. Each team member must be responsible for at least one main table. Do your best in identifying table requirements. You will be asked to change your selected dataset if it does not seem to meet the minimum requirements. Please see the project evaluation and project self-assessment forms before finalizing your dataset to get an idea about the project evaluation criteria and process.

Project Group Name	DatabeeZ						
Dataset title	Video Game Sales						
Dataset URL	<a href="#">Video Game Sales</a>						
Data description	The Video Game Sales Database offers a clear view of the video game market. It includes information about individual games, their sales performance in various regions, ranking data, and combined statistics by genre and platform. This database is organized to support thorough analysis, reporting, and insights into global video game trends.						
Member 1 Signature	<table border="1"><tr><td>Full name</td><td>Berk Özcan</td></tr><tr><td>Student no</td><td>150220107</td></tr><tr><td>Responsibility:</td><td><pre>"Game": {     "primary_key": "Game_ID",     "foreign_key": ["Publisher_ID", "Platform_ID",     "Genre_ID"],     "non_key_columns": ["Name", "Year", "Rank"],     "related_tables": ["Publishers", "Platforms",     "Genres"] }</pre></td></tr></table>	Full name	Berk Özcan	Student no	150220107	Responsibility:	<pre>"Game": {     "primary_key": "Game_ID",     "foreign_key": ["Publisher_ID", "Platform_ID",     "Genre_ID"],     "non_key_columns": ["Name", "Year", "Rank"],     "related_tables": ["Publishers", "Platforms",     "Genres"] }</pre>
Full name	Berk Özcan						
Student no	150220107						
Responsibility:	<pre>"Game": {     "primary_key": "Game_ID",     "foreign_key": ["Publisher_ID", "Platform_ID",     "Genre_ID"],     "non_key_columns": ["Name", "Year", "Rank"],     "related_tables": ["Publishers", "Platforms",     "Genres"] }</pre>						

Member 2

Signature



Full name	Zeynep Kocabiyik
Student no	150220112
Responsibility:	<pre>"Sales": {     "primary_key": "Sales_ID",     "foreign_key": ["Game_ID"],     "non_key_columns": ["NA_Sales", "EU_Sales",     "JP_Sales", "Other_Sales", "Global_Sales"],     "related_tables": ["Game"] }</pre>

Member 3

Signature



Full name	Zeynep Nur Genel
Student no	150220038
Responsibility:	<pre>"Genre": {     "primary_key": "Genre_ID",     "foreign_key": [],     "non_key_columns": ["Genre_Name", "Description",     "Example_Game"],     "related_tables": [] },  "Genre_Stats": {     "primary_key": "Genre_ID",     "foreign_key": ["Top_Game_ID"],     "non_key_columns": ["Total_Games",     "Total_Global_Sales", "Avg_Global_Sales"],     "related_tables": ["Genre", "Game"] }</pre>

Member 4 Signature 	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Full name</td><td>Mertcan Kılıç</td></tr> <tr> <td>Student no</td><td>150220077</td></tr> <tr> <td>Responsibility:</td><td> <pre> "Publisher": {     "primary_key": "Publisher_ID",     "foreign_key": [],     "non_key_columns": ["Publisher_Name", "Country", "Year_Established"],     "related_tables": [] }, "Platform": {     "primary_key": "Platform_ID",     "foreign_key": [],     "non_key_columns": ["Platform_Name", "Manufacturer", "Release_Year"],     "related_tables": [] }, "Platform_Stats": {     "primary_key": "Platform_ID",     "foreign_key": ["Top_Game_ID"],     "non_key_columns": ["Total_Games", "Total_Global_Sales", "Avg_Global_Sales"],     "related_tables": ["Platform", "Game"] } </pre> </td></tr> </table>	Full name	Mertcan Kılıç	Student no	150220077	Responsibility:	<pre> "Publisher": {     "primary_key": "Publisher_ID",     "foreign_key": [],     "non_key_columns": ["Publisher_Name", "Country", "Year_Established"],     "related_tables": [] }, "Platform": {     "primary_key": "Platform_ID",     "foreign_key": [],     "non_key_columns": ["Platform_Name", "Manufacturer", "Release_Year"],     "related_tables": [] }, "Platform_Stats": {     "primary_key": "Platform_ID",     "foreign_key": ["Top_Game_ID"],     "non_key_columns": ["Total_Games", "Total_Global_Sales", "Avg_Global_Sales"],     "related_tables": ["Platform", "Game"] } </pre>
Full name	Mertcan Kılıç						
Student no	150220077						
Responsibility:	<pre> "Publisher": {     "primary_key": "Publisher_ID",     "foreign_key": [],     "non_key_columns": ["Publisher_Name", "Country", "Year_Established"],     "related_tables": [] }, "Platform": {     "primary_key": "Platform_ID",     "foreign_key": [],     "non_key_columns": ["Platform_Name", "Manufacturer", "Release_Year"],     "related_tables": [] }, "Platform_Stats": {     "primary_key": "Platform_ID",     "foreign_key": ["Top_Game_ID"],     "non_key_columns": ["Total_Games", "Total_Global_Sales", "Avg_Global_Sales"],     "related_tables": ["Platform", "Game"] } </pre>						