**Assignment 1 Proposal**

**Software Development for Cloud 3**

**Name:** Huseyin Emre Kolcu (A00302805)

**Topic:** Video Game Details

**Brief Description of Main Functionality**:

Maintain a SQL Database of different video games and allow the user to record details like the video game title, description, the year it was released, the genre, rating, popularity (how many active players), the platform it can be accessed, type of game (single player, multiplayer, online etc.), age restriction, minimum hardware/software requirements if any, link and creator names.

The user will be allowed to iterate over the list of Video games and search for a list of games to be displayed by any field within the database, e.g., title, year, genre, popularity, rating etc...

The user can add a new Video game to the database via a different window and submit a rating if the game has been added. The average rating for all users for a given Video game will be displayed, if the user wants to see more information about the game, then they can click the more info button which will take them to a new window where all the parameters of the video game will be displayed.

**Tables:** Games

**Table Data**:

* + - **Video Game Title**
    - **Description**
    - **Popularity**
    - **Year of Release**
    - **Number of Ratings Submitted**
    - **Average Rating**
    - **Genre (Horror, Combat, Story…**
    - **Platform**
    - **Type of Game**
    - **Age Restriction**
    - **Minimum Hardware/Software Requirements**
    - **Link to Access the Video Game**
    - **Names of Creators**