Video Game Rental
Software Requirements Specification
CEN 3031 - Fall 2019

Modification history:

Version	Date	Who	Comment
v1.0	October 7, 2019	Brandon Broadstone	Version 1.0 includes a basic GUI framework with no functional logic.
v2.0	December 5,2019	Matthew Donald	- Release version - system now has full functionality and a runnable jar - Fixed shall statements to be more descriptive - Removed requirements we did not complete. list of incomplete requirements listed below - Requirements not met : - No: 9 - Statement: The system shall allow renters to leave a personal review of the game on the games store page. - No: 11 - Statement: The system shall allow renters and administrators to view a - games store page. - No: 13 - Statement: The system shall allow renters to see other renters video-game store page reviews.

Team Name: Peanut Butter and Dawg
Team Members:

- Brandon Broadstone – Bbroadstone4265@eagle.fgcu.edu
- Matthew Donald - Mcdonald0177@eagle.fgcu.edu
- Samuel Thomas - Skthomas0339@eagle.fgcu.edu
- Shane Thomas - Srsmith5168@eagle.fgcu.edu
- Robert Kissinger - Rlkissinger9134@eagle.fgcu.edu
- Maximilien Latura - Mjlatura7420@eagle.fgcu.edu

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SECTION 1: Introduction
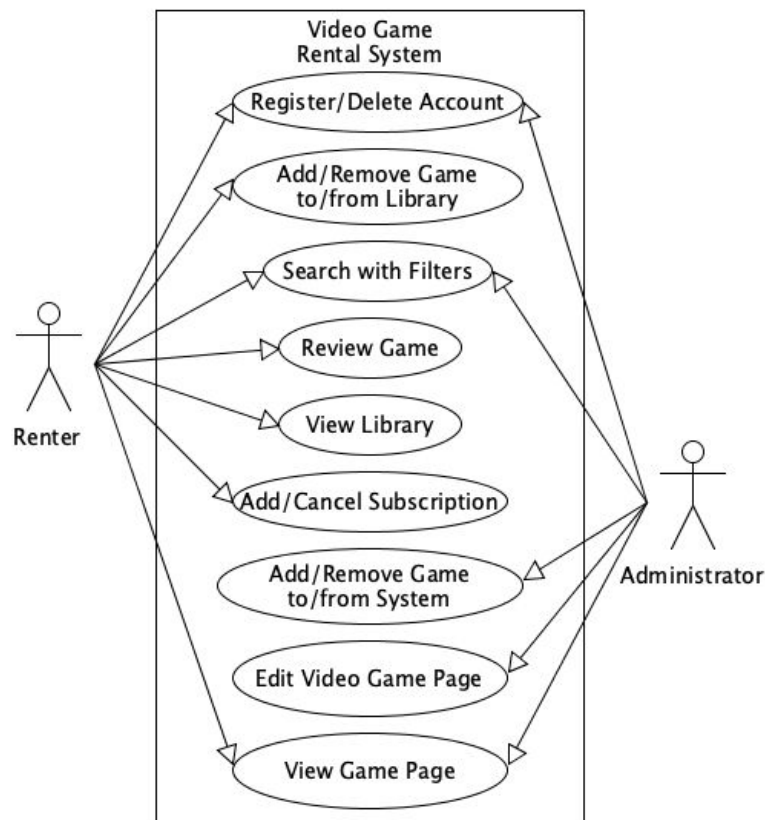
<u>Software to be Produced:</u>

- This system shall allow two different users, Renter and Administrator, to register an account, search for video-games and view a video-games store page. The renter can add a game to their library as long as they have an active subscription and leave a review on the video-games store page. The renters library will be populated with the games added from the store. Administrators can add or remove video games to the game store and edit a video-games store pages.

SECTION 2: Product Overview

<u>Assumptions:</u>

- It is assumed that all other administrator accounts will be created from a base administrator account.
- it is assumed there is 100 mb of free memory to hold the database in the system.
- It is assumed that the computer running this system can implement the Java Virtual Machine.

<u>Use Case Diagram:</u>

<u>Use Case Descriptions:</u>

- Register Account - The renter and administrator can create an account to use with the system.
- Add/Remove Game to/from Library - This will allow the renter to add a game from the games store page to their library.

- Search with Filters - This will allow the renter to search through all the games available to rent using two criteria.
- Review Game - The renter will be able to leave a review for a game on its store page.
- View Library - The renter will be able to view the games in their library.
- Add/Cancel Subscription - This will allow a renter to add or cancel a rental subscription.
- Add/Remove Game To/From System - The administrator will be allowed to add or remove a video-game to or from the store.
- Edit Video Game page - The administrator will be allowed to edit the information displayed in a video games store page.
- View Game Page - The renter and administrator will be able to view the information displayed in a video-games store page.

SECTION 3: Specific Requirements

No: 1
Statement: When searching for games, the system shall allow the user to filter the games by game title.
No: 2
Statement: When the renter views the game library, the system shall populate the library with the renters currently rented games.
No: 3
Statement: The system shall allow renters to add games to their library from the specified games store page.
No: 4
Statement: The system shall allow renters to launch their rented games from the library tab.
No: 5
Statement: The system shall allow renters to select three games to rent from the store if their subscription is active.

No: 6	
Statement: The system shall allow renters to add a subscription to their account.	
No: 7	
Statement: The system shall allow administrators to add games to the system store.	
No: 8	
Statement: The system shall allow renters to add games to their library if their account has an active subscription.	
No: 9	
Statement: The system shall allow renters and administrators to login to the system with their username and password which can be any length.	
No: 10	
Statement: The system shall allow renters and administrators to view a games store page.	
No: 11	
Statement: The system shall allow administrators to add administrator accounts to the system.	
No: 12	
Statement: The system shall allow administrators to edit a games genre, rating, and ESRB rating.	

No: 13
Statement: The system shall allow the user to enter multiple payment methods.
No: 14
Statement: The system shall display the users name, username, when their subscription ends, and their password that can be toggled with a button.