**Test Report**

**General Information**

**Project:** GameLibrary

**Test Objective:** Validate the functionality of the GameLibrary software application

**Test Period:** June 7, 2023

**Testers:** Jarno Dijkmans

**Test Cases Executed:** TC-01 to TC-20

**Test Results**

**(TC-01) User Register**

**Status: PASSED /** FAILED

Comments: The user was successful in setting up an account with accurate information.

**(TC-02) Wrong User Registration**

**Status: PASSED /** FAILED

Comments: The user was correctly informed by the system that the initial name and password they had entered were incorrect.

**(TC-03) User logs in**

**Status: PASSED /** FAILED

Comments: The user was able to log into the application successfully using the proper credentials.

**(TC-04) Incorrect log-in information**

Status: **PASSED** / FAILED

Comments: The user was informed about invalid login credentials by the system.

**(TC-05) User logs out**

**Status: PASSED /** FAILED

Comments: After the user clicked the logout button, the system appropriately notified them that they were logged out.

**(TC-06) Product search**

**Status: PASSED /** FAILED

Comments: After user input, the system appropriately presented games named by "Cyberpunk".

**(TC-07) Product not found**  
Status: PASSED / **FAILED**  
Comments: The system failed to displayed no games related to the search query "test". Instead it doesn’t display anything

**TC-08: Detail Page**  
Status: **PASSED** / FAILED  
Comments: The system displayed the exact game "Cyberpunk" along with its details.

**TC-09: Review empty shopping cart**  
Status: **PASSED** / FAILED  
Comments: The system correctly displayed an empty shopping cart.

**TC-10: Review shopping cart**  
Status: **PASSED** / FAILED  
Comments: The system displayed the shopping cart with the selected game in it correctly.

**TC-11: Navigate to purchase page**  
Status: **PASSED** / FAILED  
Comments: The system correctly redirected user to purchase page after clicking on pay.

**TC-12: Apply correct discount code**  
Status: **PASSED** / FAILED  
Comments: The system correctly calculated and applied new total price when valid discount code was applied.

**TC-13: Apply wrong discount code**  
Status: **PASSED** / FAILED  
Comments: The system displayed message that the discount code isn't valid when an incorrect discount code was applied.

**TC-14: Purchase item**  
Status: PASSED / **FAILED**  
Comments: The user was able to provide credentials and complete payment, Only minus point is that the user doesn’t have to fill in what bank it should pay with.

**TC-15: Employee Register**  
Status: **PASSED** / FAILED  
Comments: The system successfully created an account for an employee with the provided details.

**TC-16: Employee successfully login**  
Status: **PASSED** / FAILED  
Comments: The employee was able to log in successfully with correct credentials.

**TC-17: Employee wrong credentials**  
Status: **PASSED** / FAILED  
Comments: The system prompted the user that the login credentials did not match and advised to try again.

**TC-18: Search specific game**  
Status: **PASSED** / FAILED  
Comments: The system showed specific game based on user's search query.

**TC-19: Successfully add new game**  
Status: **PASSED** / FAILED  
Comments: The system successfully added a new game when all required fields were entered.

**TC-20: Preview purchases**  
Status: **PASSED** / FAILED  
Comments: The system displayed all payments made by the specific user correctly, including payment date, price, and game ID.

**Test Summary**

**Total Test Cases:** 20  
**Total Test Cases Passed:** 18  
**Total Test Cases Failed:** 2

**Observations and Recommendations**

The application has met most of the requirements as specified in the test cases. However, there was one test case that failed - TC-07 and TC-14. The application failed to prompt the user about no games found and also failed to prompt the user to choose a bank It is recommended to address this issue for better user experience and security.

**Approval**

Test Lead: **Jarno Dijkmans**  
Date: **7** **June, 2023**