**ASTANA IT UNIVERSITY**

**SOFTWARE QUALITY ASSURANCE**

**TEST CASES FOR DATABASE TESTING**

Project Name: | Database Testing for Sales Management System |

Test Case ID: | DBT-2023-001 |

Version: | 1.0 |

Date Prepared: | 31.05.2023 |

Last Updated By: | Dana Orenkyzy |

Last Updated Date: | 07.06.2023 |

Test Environment: | PostgreSQL 13.2, Windows 10 |

Testing Approach: | Manual Testing |

Test Coverage: | Data integrity, Data retrieval, Performance, Security |

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Link from Roadmap: <https://trello.com/b/lV5qYVkt/mb> (Trello - Roadmap), <https://jirdone.atlassian.net/projects/MOV?selectedItem=com.atlassian.plugins.atlassian-connect-plugin:com.deviniti.atlassian.apps.rtm__project-main-view#!/requirements/issues-list-view/243906> (Jira - RTM)

Link to the Github repository: [https://github.com/T1N1Rl/SQA\_8practice]

**Astana, 2023**

TEST CASES FOR DATABASE TESTING

Test Case ID: [Unique identifier for each test case]

Test Case Description: [Brief description of the test case]

Test Objective: [Specific objective or goal of the test case]

Preconditions: [Any conditions or prerequisites required before executing the test case]

Test Steps: [Detailed steps to be followed to execute the test case]

Expected Results: [Expected outcome or behavior after executing the test case]

Test Data: [Specific data or input values to be used for the test case]

Test Environment: [Description of the test environment required for the test case]

Test Priority: [Priority level assigned to the test case]

Test Status: [Pass/Fail/Pending/Blocked]

Test Notes: [Any additional notes or comments related to the test case]

**Example:**

**Test Case ID: TC001**

Test Case Description: Movie Selection and Browsing

Test Objective: Ensure that users can browse and search for movies available for rental.

Preconditions: None

Test Steps:

1. Navigate to the movie catalog or browse page.
2. Search for a specific movie title.
3. Verify that the search results display the relevant movies.
4. Click on a movie to view its details.
5. Verify that the movie details page shows accurate information about the selected.
6. Expected Results: Users can browse and search for movies successfully.
7. Test Data: Name: Jared Ely, Email: jared.ely@sakilacustomer.com, Password: Test@123
8. Test Environment: Windows 10, Chrome Browser
9. Test Priority: High
10. Test Status: Pass
11. Test Notes: -

**Test Case ID: TC002**

Test Case Description: Movie Details

Test Objective: Verify that the movie details page displays accurate and relevant information about a selected movie.

Preconditions: A registered user account exists in the system

Test Steps:

1. Navigate to the movie catalog or browse page.
2. Click on a movie to view its details.
3. Verify that the movie details page loads successfully.
4. Check if the movie title is displayed correctly at the top of the page.
5. Verify that the movie poster or cover image is visible and accurate, genres are listed correctly, description provided.
6. Check if the movie's release year and duration are displayed.
7. Check if the "Add to Queue" or "Rent Now" button is visible and functional.
8. Expected Results: Movie information is displayed correctly.
9. Test Data: Category ID: 1000
10. Test Environment: Windows 10, Firefox Browser
11. Test Priority: High
12. Test Status: Pass
13. Test Notes: -

**Test Case ID: TC003**

Test Case Description: Registration

Test Objective: Verify that users can successfully create an account to access the movie rental service.

Preconditions: User is logged in and has access to create new products

Test Steps:

1. Navigate to the registration page.
2. Enter valid registration details, including name, email, password, and address.
3. Submit the registration form.
4. Verify that the user account is created successfully and the user can log in.
5. Expected Results: The system displays appropriate error messages for invalid or missing data and prevents the product creation
6. Test Data: Email: mary.smith@sakilacustomer.com, First name: Mary, Last name: Smith, Error: "Invalid email"
7. Test Environment: Windows 10, Safari Browser
8. Test Priority: Medium
9. Test Status: Fail
10. Test Notes: Error message for invalid email is not displayed

**Test Case ID: TC004**

Test Case Description: Rental Queue Management

Test Objective: Users should be able to manage their rental queue by adding, removing, and reordering movies.

Preconditions: User is logged in and has access to edit their movies

Test Steps:

1. Log in to the user account.
2. Navigate to the rental queue section.
3. Add a movie to the queue.
4. Verify that the movie is added correctly.
5. Remove a movie from the queue.
6. Verify that the movie is removed successfully.
7. Reorder movies in the queue.
8. Verify that the movies are reordered as per the user's actions.
9. Expected Results: The rental queue is updated due to the changes
10. Test Data: Any example of changes (Name of the Movie)
11. Test Environment: Windows 10, Safari Browser
12. Test Priority: Medium
13. Test Status: Pass
14. Test Notes:

**Test Case ID: TC005**

Test Case Description: Rental Availability Check

Test Objective: Users should be able to check the availability of movies for rental before adding them to their queue

Preconditions: Access to the website

Test Steps:

1. Navigate to the home page.
2. Search for a movie that is currently available for rental.
3. Verify that the movie's availability status is displayed correctly.
4. Search for a movie that is not available for rental.
5. Verify that the movie's unavailability status is displayed accurately.
6. Expected Results:User can see which movie is available
7. Test Data: List of movies with information about their availability
8. Test Environment: Windows 10, Safari Browser
9. Test Priority: High
10. Test Status: Pass
11. Test Notes:

**Test Case ID: TC006**

Test Case Description: Rental Request and Checkout

Test Objective:  Verify that users can request a rental and proceed to the checkout process.  
Preconditions: User is logged in and has access to create new products

Test Steps:

1. Add movies to the rental cart.
2. Proceed to the rental checkout process.
3. Verify that the selected movies are listed correctly in the order summary.
4. Enter the required rental details, such as delivery address and rental duration.
5. Complete the checkout process and verify that the rental request is successfully placed.
6. Expected Results: User can access checkout process
7. Test Data: Email: mary.smith@sakilacustomer.com, First name: Mary, Last name: Smith,
8. Test Environment: Windows 10, Safari Browser
9. Test Priority: Medium
10. Test Status: Pass
11. Test Notes:

**Test Case ID: TC007**

Test Case Description: Rental Duration and Fees

Test Objective: Verify that the system calculates rental fees correctly based on the rental duration and provides accurate pricing information.  
Preconditions: User is logged in and has access to create new products

Test Steps:

1. Add movies to the rental cart.
2. Proceed to the rental checkout process.
3. Enter the rental duration.
4. Verify that the system displays the correct rental fees for the selected movies and duration.
5. Complete the checkout process and verify that the final charges are calculated accurately.
6. Expected Results: Website shows correct pricing
7. Test Data: Pricing details
8. Test Environment: Windows 10, Safari Browser
9. Test Priority: Medium
10. Test Status: Fail
11. Test Notes: Incorrect pricing

**Test Case ID: TC008**

Test Case Description: Account Management

Test Objective: Verify that users can manage their accounts effectively in the Cinema Paradiso movie rental system.

Preconditions: User has an active account

Test Steps:

1. Log in to the user account.
2. Verify that the user's account information is displayed correctly.
3. Update the account details, such as name, email, or password.
4. Verify that the account details are updated successfully.
5. Change the user's address and verify that the address is updated accordingly.
6. Expected Results: User can manage their account
7. Test Data: First name: Mary, Last name: Smith
8. Test Environment: Windows 10, Safari Browser
9. Test Priority: Medium
10. Test Status: Pass
11. Test Notes:

**Test Case ID: TC009**

Test Case Description: Rental History Tracking

Test Objective Verify that the movie rental system accurately tracks and displays the rental history for each user.

Preconditions: User is logged and has active account

Test Steps:

1. Login to the user account.
2. Navigate to the rental history section.
3. Verify that the rental history page is displayed.
4. Rent a movie and complete the checkout process.
5. Return the rented movie.
6. Refresh the rental history page.
7. Verify that the returned movie is not displayed in the rental history.
8. Expected Results:The system displays appropriate error messages for invalid or missing data and prevents the product creation
9. Test Data: Account credentials
10. Test Environment: Windows 10, Safari Browser
11. Test Priority: Medium
12. Test Status: Pass
13. Test Notes:

**Test Case ID: TC0010**

Test Case Description: Movie Ratings and Reviews

Test Objective: Verify that users can rate and review movies in the movie rental system.

Preconditions: User is logged and has active account

Test Steps:

1. Select a movie that the user has rented.
2. Navigate to the movie details page.
3. Verify that the user can rate the movie using a star rating system.
4. Submit a review for the movie.
5. Verify that the rating and review are successfully recorded and displayed on the movie details page.
6. Expected Results: User can successfully review movies
7. Test Data: Email: mary.smith@sakilacustomer.com, First name: Mary, Last name: Smith,
8. Test Environment: Windows 10, Safari Browser
9. Test Priority: Medium
10. Test Status: Pass
11. Test Notes:

**Test Case ID: TC0011**

Test Case Description: Rental Reminders and Notifications

Test Objective: Verify that the movie rental system sends rental reminders and notifications to users.

Preconditions: User is logged and has active account

Test Steps:

1. Rent a movie with a specific rental duration.
2. Check if a rental reminder or notification is received by the user.
3. Verify that the reminder/notification includes details about the expiring rental, such as movie title and return due date.
4. Expected Results: User receives messeage about movie rental
5. Test Data: Email: mary.smith@sakilacustomer.com
6. Test Environment: Windows 10, Safari Browser
7. Test Priority: High
8. Test Status: Fail
9. Test Notes: User does not receive notifications

**Test Case ID: TC0012**

Test Case Description: Customer Service

Test Objective: Verify that users can easily contact customer support in the movie rental system.  
Preconditions: User is logged and has active account

Test Steps:

1. Locate the customer support contact information on the website.
2. Initiate contact with customer support using the provided contact information.
3. Verify that the customer support team responds promptly and provides assistance with any issues or inquiries.
4. Expected Results: User can contact support team
5. Test Data: Support team contacts
6. Test Environment: Windows 10, Safari Browser
7. Test Priority: High
8. Test Status: Fail
9. Test Notes: Users are not able to contact support team, Wrong contacts

**Test Case ID: TC0013**

Test Case Description: Rental Genre Filters

Test Objective: Verify that users can filter movies by genre in the Cinema Paradiso movie rental system.  
Preconditions: User is logged and has active account

Test Steps:

1. Navigate to the movie catalog or browse page.
2. Select a genre from the available genre options.
3. Verify that the movie catalog displays only movies belonging to the selected genre.
4. Repeat the test for different genres to ensure accuracy in genre filtering
5. Expected Results: User can filter movies by genre
6. Test Data: Support team contacts
7. Test Environment: Windows 10, Safari Browser
8. Test Priority: High
9. Test Status: Pass
10. Test Notes:

**Test Case ID: TC0014**

Test Case Description: Film Language Display

Test Objective: Verify that the movie rental system displays the film language accurately for each movie.

Preconditions: User is logged and has active account

Test Steps:

1. Navigate to the movie details page.
2. Check if the film language is displayed prominently for the selected movie.
3. Verify that the film language matches the actual language in which the movie is produced.
4. Expected Results: Website displays the movie language
5. Test Data: Support team contacts
6. Test Environment: Windows 10, Safari Browser
7. Test Priority: High
8. Test Status: Pass
9. Test Notes:

**Test Case ID: TC0015**

Test Case Description: Date and Time Localization

Test Objective: Verify that the movie rental system properly localizes dates and times based on the user's preferred language and region settings.  
Preconditions: User is logged and has active account

Test Steps:

1. Login to the user account.
2. Verify the default date and time format displayed throughout the system.
3. Change the language and region settings of the user account.
4. Verify that the date and time format updates according to the selected language and region.
5. Expected Results: Website has date and time localization
6. Test Data: Support team contacts
7. Test Environment: Windows 10, Safari Browser
8. Test Priority: High
9. Test Status: Fail
10. Test Notes: User have to set it manually

**Test Case ID: TC0016**

Test Case Description: Customer Address Information

Test Objective: Verify that the movie rental system accurately captures and displays customer address information.  
Preconditions: User is logged and has active account

Test Steps:

1. Login to the user account.
2. Navigate to the account settings or profile section.
3. Verify that the customer address information is displayed, including fields such as street address, city, state/province, postal code, and country.
4. Update the customer address information with valid and complete details.
5. Save the changes to the address information.
6. Verify that the updated address information is reflected and displayed correctly
7. Expected Results: Website captures and displays customer address information.
8. Test Data: Support team contacts
9. Test Environment: Windows 10, Safari Browser
10. Test Priority: High
11. Test Status: Pass
12. Test Notes: