

# **Test Report**

## **EuroMovie**



**Date: 01/12/2023**

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**Version: 1.0**

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# LogInManager Tests

## Overview

This test report provides an overview of the testing conducted for the LogInManager component in the project. The LogInManager is responsible for managing user login information, including functions such as retrieving salts and hashed passwords.

## Test Environment

- **Component Under Test (CUT):** LogInManager
- **Testing Environment:** Unit Testing
- **Test Framework:** MSTest
- **Testing Tool:** Visual Studio

## Test Cases

### 1. GetSalt\_ValidUserName\_ReturnsAreEqual

- **Input:** "name1"
- **Expected Output:** "exampleSalt"
- **Actual Output:** "exampleSalt"
- **Result:** Pass

### 2. GetHash\_ValidUserName\_ReturnsAreEqual

- **Input:** "name1"
- **Expected Output:** "ExamplePassword1234"
- **Actual Output:** "ExamplePassword1234"
- **Result:** Pass

### 3. GetSalt\_InvalidUserName\_ReturnsAreNotEqual

- **Input:** "FakeName"
- **Expected Output:** Not "exampleSalt"
- **Actual Output:** Not "exampleSalt"
- **Result:** Pass

### 4. GetHash\_InvalidUserName\_ReturnsAreNotEqual

- **Input:** "FakeName"
- **Expected Output:** Not "ExamplePassword1234"
- **Actual Output:** Not "ExamplePassword1234"
- **Result:** Pass

## Summary

All test cases for the LogInManager component have passed successfully. The component is able to retrieve salts and hashed passwords accurately for both valid and invalid user names. The functionality of LogInManager appears to be robust and in accordance with the specified requirements.

# ProductManager Tests

## Overview

This test report provides an overview of the testing conducted for the ProductManager component in the project. ProductManager is responsible for managing products, including movies and series.

## Test Environment

- **Component Under Test (CUT):** ProductManager
- **Testing Environment:** Unit Testing
- **Test Framework:** MSTest
- **Testing Tool:** Visual Studio

## Test Cases

1. **CreateMovie\_ValidMovie\_ReturnsTrue**
  - **Input:** Movie object
  - **Expected Output:** True
  - **Actual Output:** True
  - **Result:** Pass
2. **GetMovie\_ValidMovie\_ReturnsNotNull**
  - **Input:** "Transformers 4"
  - **Expected Output:** Not null
  - **Actual Output:** Not null
  - **Result:** Pass
3. **EditMovie\_ValidMovie\_ReturnsTrue**
  - **Input:** New Movie object, "Transformers 4"
  - **Expected Output:** True
  - **Actual Output:** True
  - **Result:** Pass

4. **CreateSerie\_ValidSerie\_ReturnsTrue**
  - **Input:** Serie object
  - **Expected Output:** True
  - **Actual Output:** True
  - **Result:** Pass
5. **GetSerie\_ValidSerie\_ReturnsNotNullAndIsInstanceOfType**
  - **Input:** "The Witcher"
  - **Expected Output:** Not null, instance of Serie
  - **Actual Output:** Not null, instance of Serie
  - **Result:** Pass
6. **GetSerie\_InvalidSerie\_ReturnsNotNullAndNotInstanceOfType**
  - **Input:** "Transformers 4"
  - **Expected Output:** Not null, not instance of Serie
  - **Actual Output:** Not null, not instance of Serie
  - **Result:** Pass
7. **EditSerie\_ValidSerie\_ReturnsTrue**
  - **Input:** New Serie object, "The Witcher"
  - **Expected Output:** True
  - **Actual Output:** True
  - **Result:** Pass
8. **FindMovie\_MovieExists\_ReturnsTrue**
  - **Input:** Movie object
  - **Expected Output:** True
  - **Actual Output:** True
  - **Result:** Pass

## Summary

All test cases for the ProductManager component have passed successfully. The component effectively manages the creation, retrieval, and editing of both movies and series.

# ReviewManager Tests

## Overview

This test report provides an overview of the testing conducted for the ReviewManager component in the project. ReviewManager manages the relationship between reviews and products.

## Test Environment

- **Component Under Test (CUT):** ReviewManager
- **Testing Environment:** Unit Testing
- **Test Framework:** MSTest
- **Testing Tool:** Visual Studio

## Test Cases

1. **GetUserReview**
  - **Input:** User ID and Product ID
  - **Expected Output:** User review retrieved
  - **Actual Output:** User review retrieved
  - **Result:** Pass
2. **DeleteUserReview**
  - **Input:** User ID and Product ID
  - **Expected Output:** User review deleted
  - **Actual Output:** User review deleted
  - **Result:** Pass
3. **UpdateUserReview**
  - **Input:** Updated review and Product ID
  - **Expected Output:** User review updated
  - **Actual Output:** User review updated
  - **Result:** Pass

## Summary

All test cases for the ReviewManager component have passed successfully. The component effectively manages the relationship between reviews and products.

# UserManager Tests

## Overview

This test report provides an overview of the testing conducted for the UserManager component in the project. UserManager manages user-related operations, such as user creation, deletion, and editing.

## Test Environment

- **Component Under Test (CUT):** UserManager
- **Testing Environment:** Unit Testing
- **Test Framework:** MSTest
- **Testing Tool:** Visual Studio

## Test Cases

1. **CreateUser\_ValidUser\_ReturnsTrue**
  - **Input:** User object, salt
  - **Expected Output:** True
  - **Actual Output:** True
  - **Result:** Pass
2. **DeleteUser\_ValidUser\_ReturnsTrue**
  - **Input:** User object
  - **Expected Output:** True
  - **Actual Output:** True
  - **Result:** Pass
3. **GetUser\_ValidUser\_ReturnsNotNull**
  - **Input:** User email
  - **Expected Output:** Not null
  - **Actual Output:** Not null
  - **Result:** Pass
4. **EditUser\_ValidUser\_ReturnsTrue**
  - **Input:** New User object, User email
  - **Expected Output:** True
  - **Actual Output:** True
  - **Result:** Pass

#### 5. FindUser\_UserExists\_ReturnsTrue

- **Input:** User object
- **Expected Output:** True
- **Actual Output:** True
- **Result:** Pass

#### Summary

All test cases for the UserManager component have passed successfully. The component effectively manages user-related operations.