**Animation Movies**

**STD - Software Test Description**

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# Revision History

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# Document Approval:

The following Software Requirements Specification has been accepted and approved by the following:

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| **Signature** | **Printed Name** | **Title** | **Date** |
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**STD - Software Test Description**

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**STD - Software Test Description:**

# **Introduction**

The purpose of this document is to provide a Software Test Description (STD) for a Flask application that manages a movie database. The application is built using Flask, SQL Alchemy, and Flask-migrate, and it allows users to view, add, and delete movies and reviews, as well as connect with the website owner.

# **Objectives**

The objectives of this STD document are as follows:

1. To ensure that the Movie Management System is reliable, efficient, and meets the user requirements.
2. To ensure that the system is free from defects and errors and functions as intended.
3. To ensure that the system is user-friendly and easy to use.
4. To ensure that the system is scalable and can handle large volumes of data.
5. To ensure that the system is secure, and the user's data is protected.

# **Test Items**

The following items will be tested in the Flask application:

* + Log in: to log in with correct, exist, incorrect username and password.
  + Search function: search for movies by part of the title.
  + Home logo icon: This icon takes the user to the movie's homepage.
  + Alter function: alter name of movie.
  + Display function: display an uploaded image.
  + Add function: add a new movie.
  + Delete function: delete a movie and its associated reviews.
  + Connect function: Users can send the website owner a message.
  + Social media icon: The Google icon leads to the correct Google page.
  + Movie info function: the user can view and play trailers.
  + About us: The About Us page appears when the user clicks on the icon.

# **Test Deliverables**

The following deliverables will be produced during the testing process:

* Test plan: a document outlining the testing approach, including the testing scope, objectives, and resources required.
* Test cases: a set of detailed test cases covering all testable requirements of the application.
* Test logs: a record of all test results, including pass/fail status, test case ID, and any relevant comments or observations.

# **Test summary report**

A document summarizing the test results, including any issues or defects identified and their severity.

# **Test Environment**

The Flask application will be tested in the following environment:

Operating system: Windows 10

Browser: Google Chrome, version 88.0.4324.190

Python version: 3.8.5

SQL Alchemy version: 1.2.7

Flask-migrate version: 3.1.0

Testing tool: Selenium 4.9.1.0

# **Test Procedure**

The following procedures will be followed during the testing process:

Review the functional requirements of the application and identify all testable requirements.

Develop a set of test cases for each testable requirement.

Execute each test case and record the results.

Report any defects or issues identified during testing.

Retest any issues or defects after they have been resolved.

Record the final test results in a test summary report.

# **Test Cases**

The following test cases will be executed during the testing process:

On excel.

# **Test Summary Report**

The following summary report will be produced at the end of the testing process:

Total number of test cases executed: 20.

Total number of test cases passed: 20.

Total number of test cases failed: 0.

Issues/defects identified: None.

# **Conclusion**

The Flask application has been thoroughly tested and all test cases have passed, indicating that the application is functioning as intended. The test logs and summary report provide a comprehensive record of the testing process and its outcomes, which can be used to evaluate the application's performance and identify any areas for improvement.