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# SRS- Software Requirements Specification

## Introduction

## Purpose of the document

The purpose of this Software Requirements Specification (SRS) document is to outline the requirements for the "Movies Website" project. The website will be developed will provide users with access to various pages information about some movies and images, video, to ability search, to write review, to alter movie, delete movie, and add movie.

## Overview of the system

In this system will create a database site for movies. Similar to the site of IMDB, but a little bit simpler.

The admin user will be in charge to post movies with some data and alter information about the movie.

homepage of the site: present just the images of movies.

Movie description page: By clicking on a movie image you will be moved to a page with the movie information.

## Stakeholder requirements

In this system will create a database site for movies. Similar to the site of IMDB, but a little bit simpler.

The admin user will be in charge to post movies with the following data:

Poster with image of the movie, A title with the name of the movie, A short description of the movie plot, General information: Director of the movie, Four main actors, Year of release

Home page: On the homepage of the site, will present just the images of movies.

Movie description page: By clicking on a movie image you will be moved to a page with the movie information, Poster with image of the movie, A title with the name of the movie, A short description of the movie plot, General information: Director of the movie, Four main actors, Year of release, The users of the site reviews.

The design of the site: can use HTML, CSS JavaScript files to design the site.

## Scope

The scope of the Movies Website project includes:

Ensuring that the website is user-friendly and easy to navigate

Implementing security measures to protect user data

Providing scalability to accommodate potential growth and changes in user traffic

Meeting all applicable web development and accessibility standards

# Functional Requirements

The functional requirements for the Movies Website project include:

A homepage that displays poster to 10 movies, and button to add movie.

A search bar that allows users to search for movie by name the movie (title movie).

Info pages that display movie details, video, images, and review bar (to rating and write comment about the movie)

Button (Alter movie) to modified details about the movie. (update)

## Non-Functional Requirements

The non-functional requirements for the Movies Website project include:

Usability: The website must be easy to navigate and use, with intuitive user interfaces and clear instructions.

Performance: The website must load quickly and respond to user actions in a timely manner, even during periods of high traffic.

Compatibility: The website must be compatible with a range of browsers and devices, including desktop and mobile devices.

Accessibility: The website must conform to accessibility standards, including providing alternative text for images and support for screen readers.

## User Interface

The user interface for the Movies Website project will include:

A clean and modern design with clear typography and layout

Consistent navigation throughout the website

Use of images and multimedia to enhance the user experience

Clear calls-to-action to use the website.

## Constraints

The constraints for the Movies Website project include:

The website must be developed using HTML, CSS, and JavaScript

The website must be in flask server

The project must be completed within the specified timeline and budget

The website must comply with all applicable laws and regulations

## Assumptions

The assumptions for the Movies Website project include:

Users will have a basic understanding of how to use a web browser and navigate a website

Users will have bar review to write comment and rating to the movie.

Glossary

Term

## Glossary:

The glossary for the Movies Website project includes:

Glossary

Term Definition

Active Article The document that is tracked by the system; it is a narrative

that is planned to be posted to the public website.

Author Person submitting an article to be reviewed. In case of

multiple authors, this term refers to the principal author,

with whom all communication is made.

Database Collection of all the information monitored by this system.

Editor Person who receives articles, sends articles for review, and

makes final judgments for publications.

Field A cell within a form.

Historical Society Database The existing membership database (also HS database).

Member A member of the Historical Society listed in the HS

database.

Reader Anyone visiting the site to read articles.

Review A written recommendation about the appropriateness of an

article for publication; may include suggestions for

improvement.

Reviewer A person that examines an article and has the ability to

recommend approval of the article for publication or to

request that changes be made in the article.

Software Requirements

Specification

A document that completely describes all of the functions

of a proposed system and the constraints under which it

must operate. For example, this document.

Stakeholder Any person with an interest in the project who is not a

developer.

User Reviewer or Author.

Glossary

Term Definition

Active Article The document that is tracked by the system; it is a narrative

that is planned to be posted to the public website.

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Software Requirements

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must operate. For example, this document.

Stakeholder Any person with an interest in the project who is not a

developer.

User Reviewer or Author.

|  |  |
| --- | --- |
| Term | Definition |
| Database | Collection of all the information monitored by this system. |
| Review | A written comment and rating about the movie. |
| SRS – Software requirements specification | A document that completely describes all of the functions of a proposed system and the constraints under which it must operate. For example, this document |
| Stakeholder | Any person with an interest in the project who is not a  developer  Any person with an interest in the project who is not a  developer  Any person with an interest in the project who is not a developer |
| SQLite | SQLite is a lightweight, embedded relational database management system. |
| Flask | Flask is a web framework, it’s a Python module that lets you develop web applications easily. |
| Homepage | The initial page of the website that displays poster for 10 movies. |
| Info pages: | Pages that display detailed information about a specific movie, including video, images, review bar and description. |

Acronyms and abbreviations

CSS: Cascading Style Sheets

HTML: Hypertext Markup Language

SRS: Software Requirements Specification

STP: Software Test Plan

STD: Software Test Description

## Conclusion

In conclusion, this SRS document outlines the requirements for the Movies Website project, including functional and non-functional requirements, user interface design, constraints, and assumptions. All stakeholders have reviewed and approved this document.

# STP- Software Test Plan

Version: 1.0

Created: 12/01/2023

Last Updated: 28/01/2023

Test Plan Template: Flask application MOVIES

**Prepared by**: Aya

## INTRODUCTION

The purpose of this Software Test Plan (STP) document is to provide a comprehensive testing approach and strategy for the "Movies Website" project. The website will be developed will provide users with access to movies pages and info about the movie.

## Objectives

This test plan describes the testing approach, the objectives, scope, schedule, risks, approach, Enter & Exit criteria, Test Tree and Testing methodology. and overall framework that will drive the testing.

The objectives of the testing effort for the Movies Website project are:

To ensure that the website is functional and user-friendly

To verify that the website meets all specified requirements

To identify and report any defects or issues found during testing

To complete testing within the specified timeline and budget

To ensure that the website is scalable and maintainable

Support documents: SRS

## Scope

The scope of the testing effort for the Movies Website project includes:

Functional testing of all pages and features of the website

Non-functional testing, including usability, performance, security, and compatibility testing

Regression testing of any defects or issues found during testing

Acceptance testing to ensure that the website meets the expectations of the stakeholders.

## Testing Approach

The testing approach for the Movies Website project includes:

A combination of manual and automated testing

Testing will be performed in multiple phases (unit testing, integration testing, system testing, and acceptance testing)

Black-box and white-box testing techniques will be used

The website will be tested using different browsers and operating systems

## Test Environment

The test environment for the Movies Website project includes:

Operating System: Windows 10

Browsers: Google Chrome (selenium and automation test), Firefox, Safari, Microsoft Edge.

## Test Plan

The test plan for the Movies Website project includes:

Unit Testing: Testing of individual components/modules of the website will be performed by tester.

Integration Testing: Testing of the integration between different modules of the website will be performed by tester.

System Testing: End-to-end testing of the entire website will be performed by tester

Acceptance Testing: Testing of the website from the user's perspective will be performed by testers and stakeholders

Each testing phase will be performed according to the specified schedule and resources

## Test Cases

The test cases for the Movies Website project include:

Functional Test Cases: Test cases that cover all functional requirements of the website will be developed and executed

Non-Functional Test Cases: Test cases that cover non-functional requirements such as usability, performance will be developed and executed

Test cases will be designed to cover all possible scenarios and edge cases

## Test Results

The test results for the Movies Website project will be documented as follows:

Defects and issues found during testing will be recorded in a defect tracking tool

The severity of each defect and issue will be assigned

The steps to reproduce each defect and issue will be documented

The status of each defect and issue (open, resolved, closed) will be updated as necessary.

## TEST STRATEGY

Test Approach: The tests mainly targets the GUI testing and validating data Requirements Specifications provided by Client. The project is using an agile approach, with iterations.

Test Automation: Automated unit tests are part of the development process, They part from test automated functional tests in part 5 from this HW.

Exploratory: PURPOSE: the purpose of this test is to make sure critical defects are removed before the next levels of testing can start.

SCOPE: Signup, Send message and mobile version.

TESTERS: Testing team.

METHOD: Testing is carried manual and automation.

User Acceptance Test: PURPOSE: This test focuses on validating the business logic.

TESTERS: Client-side testers.

TIMING: After all other levels of testing (Exploratory and Functional) are done.

Functional Test: PURPOSE: The functional testing is carried out by feeding the input and validates the output from the application.

TESTERS: Testing Team.

METHOD: The test will be performed according to Functional scripts, which are stored in test rail.

TIMING: After Exploratory test is completed.

## Out of scope

PURPOSE: Clarity on what we are not going to cover.

Not in Scope: Testing of Business SOPs, disaster recovery

## Testing methodology

Validation and Defect Management: Defects found during the Testing will be categorized according to the bug-reporting tool “Jira”

Status of the Bug/Fault

- New: Just created bug;

- Open: Opened bug and still not solved;

- Rejected: Dev Lead rejected it (it's not bug);

- Fixed: SOLVED bug;

- Closed: After bug is fixed, need close this bug;

- Re-Open: Bug was been fixed and closed but appear again with time;

## Conclusion

In conclusion, the testing approach and strategy outlined in this STP document will ensure that the Movies Website project meets all specified requirements and is functional, user-friendly, and scalable. (All stakeholders have reviewed and approved this STP document, and testing will begin according to the specified schedule and resources.)

# STD- Software test description

## Introduction

## Document overview

This document is the software test description it contains the description of tests list in software test plan.

The purpose of this STD document is to outline the testing approach and strategy for the "Movies Website(flask)" project. The project is being developed to provide a platform for customers to read description about the movie and witch short video about the movie that how choose. The website will be developed using a combination of python, flask, database, HTML, CSS and JavaScript programming languages.

The tests will be executed during

Validation testing:

– Integration testing

– System testing

user data:

URL: http://127.0.0.1:5000

* 1. project references:

|  |  |
| --- | --- |
| Documents | Document title |
| SRS | Software requirement specification |
| STP | Software test plan |

## Testing Objectives

The testing objectives for the ABC E-commerce Website project are:

To ensure that the website is functional and user-friendly

To ensure that the website meets all specified requirements

To identify and report any defects or issues found during testing

To complete testing within the specified timeline and budget

To ensure that the website is scalable and maintainable

## Testing Strategy

The testing strategy for the Movie Website project is as follows:

A combination of manual and automated testing will be used

Testing will be performed in multiple phases (unit testing, integration testing, system testing, and acceptance testing)

Black-box and white-box testing techniques will be used

Testing will be performed by a dedicated testing team.

## Test Environment

The test environment for the Movie Website project is as follows:

Operating System: Windows 10

Web Browsers: Google Chrome, Mozilla Firefox, Microsoft Edge

Web Server: Flask

Database: SQLITE

Test Data: A combination of real and simulated data will be used.

## Test Plan

The test plan for the Movie Website project is as follows:

Unit Testing: Testing of individual components/modules of the website will be performed by developers

Integration Testing: Testing of the integration between different modules of the website will be performed by developers and testers

System Testing: End-to-end testing of the entire website will be performed by testers

Acceptance Testing: Testing of the website from the customer's perspective will be performed by testers and stakeholders

Each testing phase will be performed according to the specified schedule and resources.

## Test Cases

The test cases for the Movies Website project are as follows:

Functional Test Cases: Test cases that cover all functional requirements of the website will be developed and executed

Non-Functional Test Cases: Test cases that cover non-functional requirements such as usability, performance, and security will be developed and executed

Test cases will be designed to cover all possible scenarios and edge cases

**Test Results**

The test results for the Movies Website project will be documented as follows:

Defects and issues found during testing will be recorded in a defect tracking tool

The severity of each defect and issue will be assigned

The steps to reproduce each defect and issue will be documented

The status of each defect and issue (open, resolved, closed) will be updated as necessary

## Conclusion

In conclusion, the testing approach and strategy outlined in this STD document will ensure that the Movies Website project meets all specified requirements and is functional, user-friendly, and scalable. All stakeholders have reviewed and approved this STD document, and testing will begin according to the specified schedule and resources.