Software Test Design

IMDB

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1. Introduction

a. Document overview

The Software Test Plan (STP) outlines the testing approach, objectives, and methodologies for the Quality Assurance (QA) automation testing of the IMDb website. IMDb is a popular online database for movies, TV shows, and video games, providing users with information about cast, crew, plot summaries, and reviews.

b. Project overview

The IMDb website is a critical platform for users to access and discover information about a wide range of media content. The STP aims to ensure that the IMDb website functions effectively, providing users with a seamless and reliable experience. It defines the scope of testing, identifies testing objectives, and outlines the testing approach to be followed.

c. project references

The purpose of this STP is to:

Define the scope and objectives of the QA automation testing for the IMDb website.

Identify the roles and responsibilities of the testing team.

Outline the testing approach and methodologies to be used.

Specify the test environment, including hardware, software, and network configurations.

Detail the test deliverables, including test cases and defect reports.

Establish a timeline for testing activities.

Identify potential risks and mitigation strategies.

Define metrics for measuring the effectiveness of the testing process.

2. Tests basic preparations

a. Hardware basic preparation

i.   System Requirements Check: Verify that your PC meets the system requirements specified for IMDb. Check for minimum hardware specifications such as CPU, RAM, and disk space.

ii. Web Browser Installation: Ensure that you have the latest versions of popular web browsers (e.g., Chrome, Firefox, Safari) installed on your PC. IMDb testing may involve cross-browser compatibility checks.

iii. Network Connectivity: Confirm that your PC has a stable internet connection. IMDb is an online platform, and network stability is crucial for testing functionalities like search and content retrieval.

iv. User Account Access: If your testing involves user authentication scenarios, ensure you have valid user accounts to log in and test features that require authentication.

v.   Data Setup: If IMDb testing involves specific data scenarios, ensure that you have the necessary test data available or create sample data that represents different use cases.

b. Software basic preparation

i.   Web Browsers: Install the latest versions of popular web browsers (e.g., Chrome, Firefox, Safari) to ensure compatibility testing. IMDb should function correctly across different browsers.

ii. Integrated Development Environment (IDE): If you're involved in automation testing, install a suitable IDE such as PyCharm.

iii. Documentation Tools: Use documentation tools (e.g., Microsoft Word, Google Docs) to create and maintain test plans, test cases, and other testing documentation.

iv. Password Managers: Consider using password managers to securely store and manage login credentials used during testing.

C. Data preparation

    i. Understand Data Requirements: Gain a clear understanding of the data requirements for testing IMDb. This includes information about movies, TV shows, actors, user accounts, and any other relevant data.

    ii. Identify Test Scenarios: Based on the testing scope, identify test scenarios that require specific data. For example, scenarios involving search functionality, user reviews, or personalised recommendations.

    iii. Create or Extract Sample Data: Generate or extract sample data that represents a variety of test scenarios. This may include movie details, user profiles, reviews, and other relevant information.

    iv. Prepare User Accounts: If user authentication and account-related functionalities are part of your testing scope, prepare valid user accounts with different roles and permissions.

3. Test scenarios
    a. Home page
        i. Menu
            1. Most Popular Movies
                a. Number of Rating
        ii. Search
            1. All
                a. Search movie
                b. Rate the movie
            2. Celebs
        iii. Watchlist
            1. Adding movie
            2. Deleting movie
        iv. Sign in
            1. login with an imdb account
            2. sign in with google
        v. Language
            1. English

2. Français (France)
        vi.   Browser trailers
                    1. Play a video
                    2. Mute a video
                    3. Unmute the video
                    4. Fullscreen
        vii.   Social media apps
                    1. Go to Instagram
                    2. Go to YouTube

4. Requirements Traceability

https://docs.google.com/spreadsheets/d/1khuUMS7f0klpWcd18Owe1IVDMNeP5s_N
Z5EPVkm3j08/edit#gid=0