

# 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
    2. Top 250 TV Shows
      - a. Rate
  - ii. Search
    1. All
      - a. Search movie
      - b. Rate the movie
    2. Celebs (people)
  - 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

ID	Main Requirements	Sub Requirements	Description	Ass. ID	Test Case	Purpose
1	Sign In	Login with IMDb Account	Log in with a valid IMDb account	TC_SI01	Login with IMDb Account with Valid Login Credentials	Confirm successful login with IMDb account
2	Sign In	Sign In with Google	Log in with a Google account	TC_SG01	Successful Sign In with Google	Confirm successful login with Google account
3	Watchlist	Adding Movie	Add a movie to the watchlist	TC_WA01	Add Movie to Watchlist Successfully	Ensure successful addition to watchlist
4	Watchlist	Deleting Movie	Remove a movie from	TC_WD01	Remove Movie from Watchlist	Ensure successful

			watchlist		Successfully	removal from watchlist
5	Menu	Most Popular Movies	Access most popular movies section	TC_MP01	Navigate to Most Popular Movies	Ensure successful access to the section
6	Most Popular Movies	Number of Ratings	Sort ratings for a popular movies	TC_NR01	Sort by Highest Ratings	Validate the accuracy of ratings
7	Menu	Top 250 TV Shows	Access Top 250 TV shows section	TC_TT01	Navigate to Top 250 TV Shows Section	Ensure successful access to the section
8	Top 250 TV Shows	Rate a movie or TV show	Rate a movie or TV show	TC_R01	Successfully Rate a TV Show	Test the functionality of rating
9	Search	All	Search for a specific movie	TC_S01	Search for an Existing Movie	Confirm the functionality of movie search
10	Search	calabs	Search for a specific people	TC_SM01	Search for an Existing Person	Confirm the functionality of general search
11	Language	Change to	Change	TC_L01	Change Website	Confirm

		English	website language to English		Language from Default	successful language change to English
12	Language	Change to Français (France)	Change website language to Français (France)	TC_L02	Change Website Language from Default to Français (France)	Confirm successful language change to Français
13	Browser Trailers		Play a video	TC_BT01	Successfully Play a Video	Test the functionality of playing a video
14	Browser Trailers		Mute the video	TC_BT02	Successfully Mute a Video	Confirm successful video muting
15	Browser Trailers		Unmute the video	TC_BT03	Successfully unmute a Video	Confirm successful video unmuting
16	Browser Trailers		Enter fullscreen mode	TC_BT04	Successfully Fullscreen a Video	Confirm successful entry into fullscreen mod
17	Social Media	Go to	Open	TC_SA01	Check for	Confirm



	Apps	Instagram	Instagram page		Instagram Link in the Navigation Menu	successful navigation to Instagram
18	Social Media Apps	Go to YouTube	Open YouTube page	TC_SA02	Check for YouTube Link in the Navigation Menu	Confirm successful navigation to YouTube