

Test Plan

Project Name: IMDb

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Table of Content

1. Overview
2. Scope
 - Inclusion
 - Test Environment
 - Exclusion
3. Test Strategy
4. Defect Reporting Procedure
5. Roles/Responsibilities
6. Test Schedule
7. Test Deliverables
8. Entry and Exit Criteria
9. Suspension and Resumption Criteria
10. Tools
11. Risks and Mitigations
12. Approvals

Overview

This test plan outlines the strategy for testing the IMDb platform. The goal is to ensure proper functionality, usability, and compatibility of IMDb features. The test scope includes validating movie listings, user reviews, navigation, and other functionalities related to the IMDb website.

Scope

The scope of this test plan includes the following features:

- User account functionality.
- Popular movie listings on the homepage.
- Movie details (e.g., cast, plot summary)
- Search functionality.
- User reviews and ratings.
- Filtering options for movie listings.
- Responsiveness of the website across devices.
- Watchlist feature.
- User profile page.

Inclusions

The testing will focus on the following key functionalities:

- Homepage movie display.
- Movie category navigation.
- Movie detail page (cast, plot)
- Search and filter functions.
- User reviews and rating systems.
- Watchlist feature.
- User accounts and authentication

Test Environments

Testing will be conducted in the following environments:

- **Windows 10:** Chrome, Firefox, Edge
- **macOS:** Safari, Chrome
- **Android:** Chrome browser
- **iOS:** Safari browser

Exclusions

The following features are excluded from the scope of this test:

- Payment systems for premium IMDb services
- Integration with third-party applications (e.g., Amazon Prime Video)
- Mobile app testing

Test Strategy

The test strategy for IMDb involves a combination of manual and exploratory testing. The main objectives are:

1. Test Scenario Creation and Prioritization

- Develop comprehensive test cases for all features.
- Use Equivalence Partitioning, Boundary Value Analysis, and Decision Table Testing where applicable.

2. Testing Procedure

- **Exploratory Testing:** Perform unscripted testing to discover unexpected issues and understand the application's behaviour.
- **Functional Testing:** In-depth testing of features such as movie listings, reviews, and search functions.
- **Usability Testing:** Focus on user experience, navigation ease, and design consistency.
- **Ad hoc Testing:** Conduct informal testing without predefined test cases to find defects quickly.

3. End-to-End Flow Testing

- Simulate typical user journeys such as searching for a movie, watching trailers, and reading reviews.

4. Defect Reporting

- Defects will be logged with clear steps to reproduce, screenshots, and device/browser details.

Defect Reporting Procedure

- Bugs will be documented using Excel sheets.
- Each issue will be classified based on severity (Critical, High, Medium, Low).
- Bug reports were maintained for personal tracking as this was an individual project.

Roles/Responsibilities

Name	Role	Responsibilities
Himanshu Dapurkar	Test Engineer	Created test plan, executed test cases, logged defects, reviewed test scenarios, and ensured quality.

Test Schedule

Following is the test schedule planned for the project

Task	Time Duration
Creating Test Plan	Start Date to End Date
Test Case Creation	Start Date to End Date
Test Case Execution	Start Date to End Date
Summary Reports Submission	End Date

Test Deliverables

Deliverables	Description	Target Completion Date
Test Plan	Details on the scope of the Project, test strategy, test schedule, resource requirements, test deliverables and schedule	09-09-2024
Functional Test Cases	Test Cases created for the scope defined	28-09-2024
Defect Reports	Detailed description of the defects identified along with screenshots and steps to reproduce daily.	08-10-2024
Summary Reports	Summary Reports – Bugs by Bug#, Bugs by Functional Area and Bugs by Priority	NA

Entry and Exit Criteria

- Entry Criteria:
 - Test scenarios and test cases documented and reviewed.
 - IMDb platform ready for testing with all necessary configurations
- Exit Criteria:
 - All planned test cases executed.
 - All identified defects documented and resolved to an acceptable level.

Suspension and Resumption Criteria

- Testing will be suspended if:
 - Major blocking issues occur (e.g., server down, core features not functioning).
- Resumption will happen after the defects are fixed and a stable build is available.

Tools

- **Bug Tracking Tool:** Not used [Bugs documented in Excel]
- **Documentation:** Word, Excel for Test Cases and Reports
- **Screenshots/Recordings:** Snipping Screenshot Tool

Risks and Mitigations

Risk	Mitigation
Bugs not being logged in real-time	Maintain a structured daily log in Excel.
Unexpected issues during exploratory testing	Allocate buffer time to address unplanned defects
Time constraints	Focus on high-priority test scenarios and critical functionalities.

Approvals

Before proceeding with testing, the following documents must be approved:

- Test Plan
- Test Scenarios
- Test Cases

