DMH

Show Tracker

Test Case

Version 1.0

Revision History

Date	Version	Description	Author
29/April/24	0.1	Wrote Intro, Added a Test Case and Created Test Table	Carlos Mbendera
30/April 24	0.2	Added Overlord Database Test Cases	John Tran and Kenji Craig
30/April/24	0.3	Added Search Bar Test Cases and UI Test	Blake Ebner
2/May/2024	1.0	Final Edits	Carlos Mbendera

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Test Case

1.   Purpose

The purpose of this Test Case Specification Document is to detail the various tests conducted to validate the functionality and performance of the Show Tracker application. This document is intended for use by the Show Tracker development team and external testers to understand and verify the test outcomes.

For each test case included in this document, the following information is provided:

- **Test Case ID:** A unique identifier for each test case.
- **Description:** A brief description of what the test case is intended to evaluate.
- **Input:** Specific data provided to the system during testing.
- **Expected Output:** The anticipated result based on the input.
- **Actual Output:** The actual result obtained from the test.
- **Status:** Indicates whether the test case passed or failed.

This structured approach ensures that every aspect of the Show Tracker app is thoroughly examined for compliance with the specified requirements and functionalities, thereby facilitating a reliable and efficient application for managing TV show interests across multiple streaming platforms.

Instead of multiple disconnected sections, we have opted for one, Test Cases, section.

2.   Test Cases Table

Test Case ID	Description	Input	Expected Output	Actual Output	Status(Pass/Fail)
API-Call-T1	Verifying that the fetching script can retrieve data from the internet	Use API_Call.py with ID = 1 when when calling the API	A TV Show Object with information about the show "***Under the Dome - 2013-06-24***"	A TV Show Object with information about the show "***Under the Dome - 2013-06-24***"	**Pass**
UITest1	Verifying that the search bar works as intended	The name of a show currently in the **"All Shows"** list. For instance, "Berserk"	A TV Show from the list with information about the show "Berserk (1997-10-07)"	A TV Show from the list with information about the show "Berserk (1997-10-07)"	**Pass**
Overload Database T1	Verifying database will store shows even after rigorous loads when pulling	Changing the range of shows to 500	Database with 500 shows without crashing or an error	Database with 500 shows without crashing or an error	**Pass**

	from API				
Overload Database T2	Verifying database stores shows after excessive loads when pulling from API	Entering 750 shows into the database	Database stores 750 shows smoothly and without crashing	Database stores 750 shows smoothly and without crashing	**Pass**
UITest2	Verify that Search Results can not create duplicates in Watch/Watched list	Click "Move to Watch/Watched List" with a show in Search Results	"Move to Watch/Watched List" Buttons will be disabled after using one or the other.	t"Move to Watch/Watched List" Buttons was disabled after using one or the other.	**Pass**

3.   Environmental Needs

3.1   Software

1. Overload Database and other Back End tests are performed on a computer with access to the Firebase Database and a terminal. The functions to run tests are executed via the terminal and by using the **"TestCases.py"** files in the GitHub Repository.

2. UITest can be executed on any modern browser by accessing the web app with the following link: https://showtracker.streamlit.app/