# DMH

## Show Tracker

## User's Manual

### Version 1.0

# Revision History

| Date | Version | Description | Author |
|---|---|---|---|
| 29/April/2024 | 0.1 | Wrote half of Section 2 - Introduction | Kenji Craig |
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# Table of Contents

# User Manual

## 1. Purpose

This document is designed to assist both new and existing users in navigating and making the most out of Show Tracker. It aims to provide comprehensive guidance on how to use the application effectively, address common queries, and resolve potential issues that may arise during its use. The contents of this guide are organized into several key sections as outlined below:

1. **Getting Started With The Application:** This section details how users can access ShowTracker directly through their web browser. It includes information on any preliminary steps needed to get started.
2. **Advanced Features / Examples of Use:** Here, users will find step-by-step instructions on the various features of ShowTracker, including how to browse and manage TV shows, utilize the Watchlist and Watched list features..
3. **Troubleshooting Issues:** This part provides solutions to common problems users may encounter while using ShowTracker. This section aims to quickly help users resolve technical difficulties and improve their application experience.
4. **Glossary of Commonly Used Terms:** To help users better understand the terms frequently used within the application, this glossary explains key concepts and jargon in simple language. It's particularly helpful for new users becoming acquainted with Show Tracker's features.
5. **Frequently Asked Questions (FAQs):** This section addresses the most common questions users have about Show Tracker. It offers quick answers to support user engagement and satisfaction.

## 2. Introduction

Show Tracker is designed to simplify the way you manage and track your favorite TV shows across various streaming platforms. With a comprehensive list of shows, along with brief descriptions, genres, status, and networks, Show Tracker helps you stay organized and up-to-date with your TV viewing. The list of features includes the following:

- **Browsing Shows:** Upon opening the app, you'll be presented with a list of TV shows categorized by genre, status, and network.
- **Show Details:** Tap on a show to view more details, including a brief description, genre, status (e.g., ongoing, ended), and network. Use the dropdown menu to add the show to your Watchlist or mark it as Watched if you've already seen it.
- **Managing Watchlists:** Access your Watchlist by navigating to the designated section in the app. Here, you'll find all the shows you've added to your Watchlist for future viewing. Use the dropdown menu to organize your Watchlist by either removing them from your Watchlist, or adding them to the Watched List.
- **Managing Watched Shows:** Similarly, access your Watched list to view all the shows you've marked as watched. Use the dropdown menu to filter your Watched list by moving it to the Watchlist, or back to the All shows category.

**Installation and Running Show Tracker:**

- **Accessing the Application:** Show Tracker is accessible via any modern web browser. To get started, simply visit https://showtracker.streamlit.app. This URL directs users to the application's homepage.
- **No Installation Required:** As a web-based platform, ShowTracker does not require any downloads or installations. It runs directly within the web browser, making it universally accessible from any device connected to the internet.

## 3. Getting started

**Accessing Show Tracker**: Start by visiting the website for Show Tracker, and you are done! No sign in is needed to use the service.

**Adding to your Watch List:** Find the show you want to watch in the "All Shows" list and click anywhere on the box. This will then open a drop-down menu that will have details about the show and two buttons to add the show to want to watch or watched lists.

**Removing from Watch List:** Find the show in the watch list that you want to remove. Click on the show and select the "Remove from Watch List" button

**Customize Your Watch List**: You can add shows to your want to watch list or mark shows as already watched.

## 4. Advanced features

### 4.1 Search Bar

The Search Bar is a key feature of Show Tracker, designed to enhance your browsing experience by allowing you to quickly find TV shows without the need to scroll through an "All Shows" extensive list.

To use this feature, simply type a portion of the TV show's name into the Search Bar. After pressing "Enter" on your keyboard, the system dynamically displays the most likely matches to your query, improving efficiency and user experience.

For example, if you are searching for the anime TV show "Berserk," you can begin by typing "Ber" into the Search Bar. After you press the "Enter" key, the search results will display "Berserk" along with any other relevant matches. The image below demonstrates this process.



## 5. Troubleshooting

- **I can not see any buttons to save a show after I've searched up my desired show:**
  Your show should be either in your Watch List or Watched List. We automatically disable the buttons after you've put it in a desired list.

- **It is possible to have two instances of the same show, one in the Watched List and one in the Watch List.**
  This occurs when one version of the show is added through the search bar and the other is added via the All Shows list.

## 6.    Examples

Users can go to the Show Tracker website to create lists of TV shows they would like to watch.
They can find the show through either a Search Bar or just scrolling through the "All Shows" list.
When a user finds a show they would like to watch, they can move it from "All Shows" to "Watch" list.
Once they have watched the show, they can then go and move it to their "Watched" list.
The user can also freely move the show between different lists as they please.



*In this first image, the user is using the search bar to find the TV show, "The 100".*
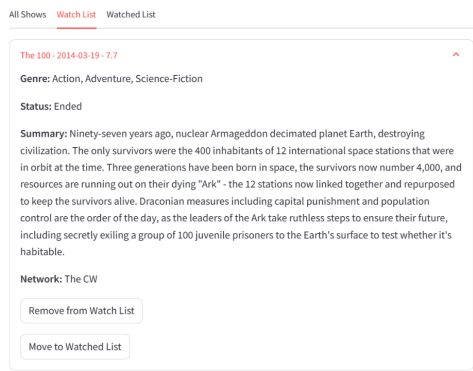


*In these images, the user has clicked on the TV Show in order to get more information about it.*
*Clicking a show expands the expander and clicking it again will close the expander.*
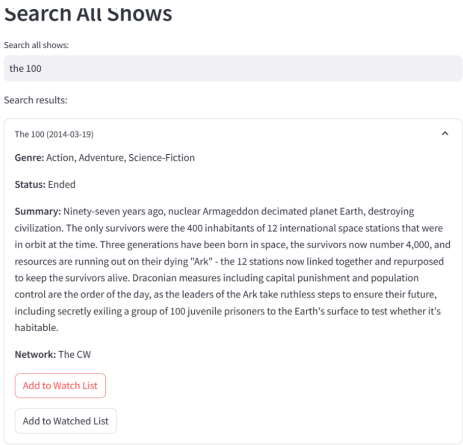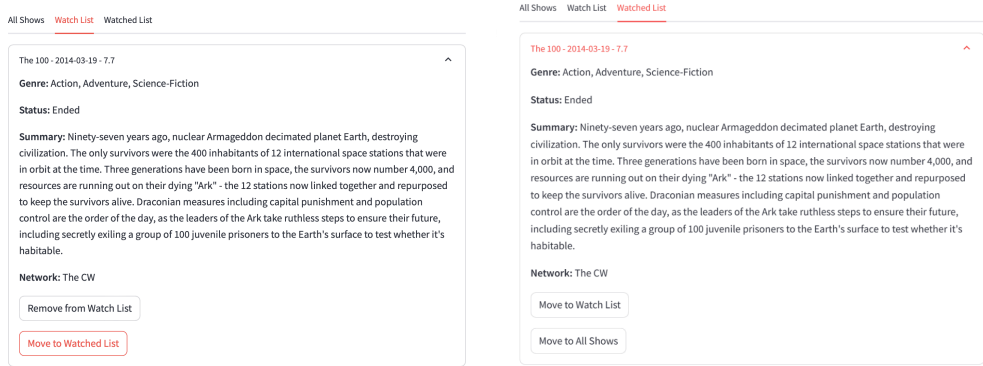
*In this image, the user is adding the previously searched show to their watch list by clicking the "**Add to Watch List**" Button.*



*In this picture, the user is viewing their TV show within the Watch List. This can be done by clicking the highlighted "**Watch List**" Tab.*



*In these final pictures, the user has moved the TV show from the watch list to the watched list by clicking the "**Move to Watched List**" button.*

## 7.    Glossary of terms

- **API (Application Programming Interface):** A set of protocols for building and integrating application software. It allows the Show Tracker app to fetch TV show data from external databases like TVMaze, facilitating real-time data retrieval.

- **UI (User Interface):** The visual and interactive elements of the Show Tracker app, such as buttons, icons, and text fields. The UI is what users interact with on their devices to navigate and manage their TV show preferences.

- **Firebase**: A platform developed by Google that provides backend services like databases, real-time data synchronization, and hosting. In Show Tracker, Firebase is used to store TV Show data after fetching from the API.

- **JSON (JavaScript Object Notation):** A lightweight data format used for data interchange between servers and web applications. Show Tracker uses JSON to structure the data it receives from APIs, making it easier to parse and display TV show details.

- **Streamlit:** A Python library used to quickly create web applications. Show Tracker utilizes Streamlit for its front-end web interface, allowing users to interact with their TV show lists and view details dynamically.

- **TvShow Class**: A data structure in Show Tracker that defines the properties of a TV show, including name, premiere year, rating, genre, and network. This class encapsulates all relevant data about a show and is used throughout the app to manage show information.

- **Watch List:** A feature within Show Tracker where users can save shows they plan to watch. This list is user-specific and managed through interactive UI components.

- **Watched List:** A user-curated list within Show Tracker for shows that have already been watched. It helps users keep track of their viewing history and preferences.

- **Session State:** A Streamlit feature that maintains the state of user interactions in the web interface. In Show Tracker, it keeps track of user modifications to their show lists without needing to reload data continuously.

- **Expander:** A UI element in Streamlit that allows users to hide or reveal additional content or controls. In Show Tracker, expanders are used to provide a clean and organized view of each show's detailed information without cluttering the interface.

## 8.    FAQ

1. **What is Show Tracker?**

   Show Tracker is a simple app designed to easily manage and track your favorite TV shows.

2. **How do I add a show to my Watchlist?**

   To add a show to your Watchlist, simply find the show in the app's list, tap on it to view details, and select "Add to Watchlist" from the dropdown menu.

3. **How do I mark a show as watched?**

   If you've already seen a show, you can mark it as watched by selecting "Mark as Watched" from the dropdown menu when viewing the show's details.

4. **Can I remove a show from my Watchlist or Watched list?**

   Yes, you can remove a show from your Watchlist or Watched list by selecting the "Remove" option from the dropdown menu when viewing the list.

5. **Can I sort my Watchlist or Watched list?**

   No, we don't have an implementation for an alphabetical sort for our lists yet.

6. **How do I log in?**

   You don't. We don't have user accounts. All lists are stored on devices.

7. **I can't see any buttons to save a show after I've searched up my desired show.**

   Your show should be either in your Watch List or Watched List. We automatically disable the buttons after you've put it in a desired list.