

Software Requirements Specification (SRS)

1. Introduction

1.1 Purpose

This SRS describes the functional and non-functional requirements for the Anime & TV Series Tracker application.

1.2 Scope

The application allows users to add and track shows, join clubs, post and comment, vote in polls, rate shows, and view analytics. Data is stored in browser localStorage.

2. Functional Requirements

FR-1: Users shall be able to add a show with title, total episodes, tags, spoiler/review and a status.

FR-2: Users shall be able to update watched episodes and status.

FR-3: Users shall be able to create clubs, add posts, and comment.

FR-4: Users shall be able to create polls and vote on them.

FR-5: The system shall provide a Discover page with AI-simulated recommendations filtered by user tags.

FR-6: The system shall persist data in localStorage and provide an Admin panel to reset data.

3. Non-Functional Requirements

- NFR-1: The system shall be responsive across desktop and mobile.
- NFR-2: The system shall not require a backend for demo operation.
- NFR-3: The system shall persist data locally for the current browser.

4. System Design

- Client-side SPA using React, Vite, Tailwind CSS.
- Routing via React Router DOM.
- Data layer: src/utils/storage.js (localStorage wrapper).

5. Use Cases

- Use Case: Add Show — User fills add-show form, system validates inputs, adds show to storage, and displays confirmation.
- Use Case: Rate Show — User selects star rating, system records rating in storage and updates average.

6. Traceability Matrix

- FR-1 !' Watchlist.jsx (add form), storage.js (addShow)
- FR-4 !' Polls.jsx, storage.js (addPoll, votePoll)