

Requirements Document

Purpose

The purpose of this document is to describe specific and measurable requirements for Flux Streaming, a platform for watching streams and videos. The service aims to provide users with a smooth, reliable, and high-quality entertainment experience for consuming online content.

Functional Requirements

User Accounts

- [REQ:01] Users shall be able to register for the service and create their own accounts.
- [REQ:02] Users shall be able to connect with customer service if they need assistance with account creation.
- [REQ:03] Users shall be able to customize their profiles.
- [REQ:04] A user's profile shall include sections for a home feed, stream schedule, and past video/stream highlights.

Streaming & Recording

- [REQ:05] Users shall be able to upload locally-stored videos to the software.
- [REQ:06] The software shall include the capability for users to livestream.
- [REQ:07] After a stream is finished, the recorded footage shall be saved to a user's account.

User Interface

- [REQ:08] The user interface shall include a page that displays recommended/followed channels to the user.
- [REQ:09] The user interface shall include a search option.

Social

- [REQ:10] Viewers shall be able to chat during live streams.
- [REQ:11] Users shall be able to make community posts on their profiles.
- [REQ:12] Users shall be able to follow and/or subscribe to other users.

Non-Functional Requirements

Availability

- [REQ:13] Users shall still be able to use the software while minor patches and updates are being deployed.

Performance & Scalability

- [REQ:14] The servers shall include the capability to be upgraded with additional storage.
- [REQ:15] The software latency shall be less than 30 milliseconds.

Security

- [REQ:16] The software shall include the capability for users to be reported.
- [REQ:17] All data related to the software shall be encrypted.

Conclusion

This document describes a broad overview of functional and non-functional requirements for the construction and implementation of Flux Streaming. The result of successfully executing each of these will result in a profitable and high-quality service that meets the expectations of all participants.

Signature: _____

Date: _____