Software Requirements Specification

for

OTT Platform

Version 1.0 approved

Prepared by:

**Gagan Gupta,
Harshita Kamani,
Gajendra S**

<HackByte>

<15/09/2023>

Table of Contents

Revision History

Name	Date	Reason For Changes	Version

1. Introduction

1.1 Purpose

"OTT Platform is a social video streaming website that allows users to watch TV shows, movies, web series, and other content in any language or genre they choose. Any device including cell phones and laptops, can be used to see it. Users can subscribe to the application and save content to watch later. Sometimes you use VPN to watch some other countries' content.

1.2 Document Conventions

This Document was created based on the IEEE template for System Requirement Specification Documents.

1.3 Intended Audience and Reading Suggestions

Typical Users, such as students, teachers or anyone who has internet and gadgets to use Netflix for watching online movies.

1.4 Product Scope

The OTT Platform allows users to stream digital content over the internet. It includes features like content management, user authentication, recommendation system, user profiles, search functionality, and payment management.

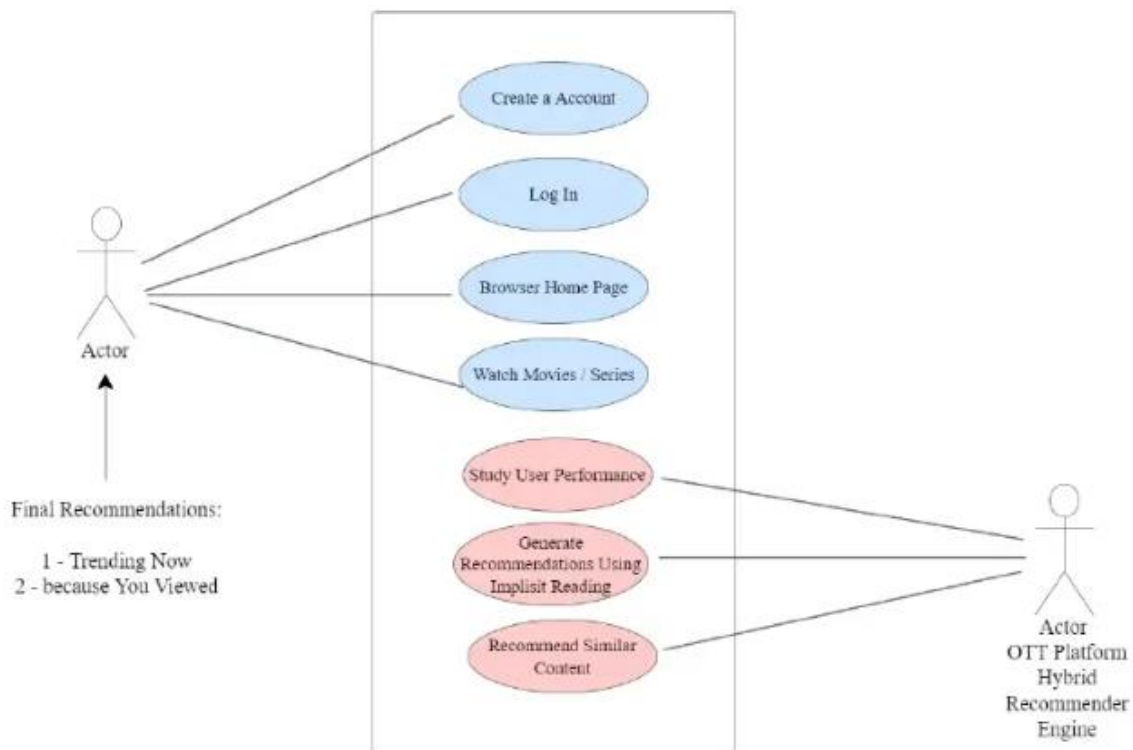## References

<List any other documents or Web addresses to which this SRS refers. These may include user interface style guides, contracts, standards, system requirements specifications, use case documents, or a vision and scope document. Provide enough information so that the reader could access a copy of each reference, including title, author, version number, date, and source or location.>

2. Overall Description

Product Perspective

Netflix is developed to everyone to allow our customers to watch a wide variety of award-winning TV shows, movies, documentaries, and more on thousands of internet-connected devices. With Netflix, you can enjoy unlimited viewing of our content without having to watch a single commercial.

Product Functions

<Summarize the major functions the product must perform or must let the user perform. Details will be provided in Section 3, so only a high level summary (such as a bullet list) is needed here. Organize the functions to make them understandable to any reader of the SRS. A picture of the major groups of related requirements and how they relate, such as a top level data flow diagram or object class diagram, is often effective.>

User Classes and Characteristics

<Identify the various user classes that you anticipate will use this product. User classes may be differentiated based on frequency of use, subset of product functions used, technical expertise, security or privilege levels, educational level, or experience. Describe the pertinent characteristics of each user class. Certain requirements may pertain only to certain user classes. Distinguish the most important user classes for this product from those who are less important to satisfy.>

Operating Environment

PC or Laptops: Windows 10,11, Ubuntu
Smart TV's, Smartphones, Tablets, IPad etc.

Design and Implementation Constraints

<Describe any items or issues that will limit the options available to the developers. These might include: corporate or regulatory policies; hardware limitations (timing requirements, memory requirements); interfaces to other applications; specific technologies, tools, and databases to be used; parallel operations; language requirements; communications protocols; security considerations; design conventions or programming standards (for example, if the customer's organization will be responsible for maintaining the delivered software).>

User Documentation

<List the user documentation components (such as user manuals, on-line help, and tutorials) that will be delivered along with the software. Identify any known user documentation delivery formats or standards.>

Assumptions and Dependencies

For a fully functioning OTT Platform application, the following criteria are needed:
- *The user should have a smartphone or any other device.*
- *Login must be done with their Email or contact number.*
- *Subscription must be done with their existing account.*
- *Device should have an internet connection.*

3. External Interface Requirements

User Interfaces

1.) Using a Smart TV:

Hardware Interfaces

<Describe the logical and physical characteristics of each interface between the software product and the hardware components of the system. This may include the supported device types, the nature of the data and control interactions between the software and the hardware, and communication protocols to be used.>

Software Interfaces

Universal Compatible web browsers :
- *MacOS*
- *Microsoft Windows*
- *Linux*
- *Android*
- *IOS*

Communications Interfaces

Updates on mail, contact number.

4. System Features

<This template illustrates organizing the functional requirements for the product by system features, the major services provided by the product. You may prefer to organize this section by use case, mode of operation, user class, object class, functional hierarchy, or combinations of these, whatever makes the most logical sense for your product.>

System Feature 1

<Don't really say "System Feature 1." State the feature name in just a few words.>

Description and Priority

<Provide a short description of the feature and indicate whether it is of High, Medium, or Low priority. You could also include specific priority component ratings, such as benefit, penalty, cost, and risk (each rated on a relative scale from a low of 1 to a high of 9).>

Stimulus/Response Sequences

<List the sequences of user actions and system responses that stimulate the behavior defined for this feature. These will correspond to the dialog elements associated with use cases.>

Functional Requirements

<Itemize the detailed functional requirements associated with this feature. These are the software capabilities that must be present in order for the user to carry out the services provided by the feature, or to execute the use case. Include how the product should respond to anticipated error conditions or invalid inputs. Requirements should be concise, complete, unambiguous, verifiable, and necessary. Use "TBD" as a placeholder to indicate when necessary information is not yet available.>

<Each requirement should be uniquely identified with a sequence number or a meaningful tag of some kind.>

REQ-1:
REQ-2:

System Feature 2 (and so on)

5. Other Nonfunctional Requirements

Performance Requirements

- *Good interned connection*
- *A good display for a better image-quality*

Safety Requirements

<Specify those requirements that are concerned with possible loss, damage, or harm that could result from the use of the product. Define any safeguards or actions that must be taken, as well as actions that must be prevented. Refer to any external policies or regulations that state safety issues that affect the product's design or use. Define any safety certifications that must be satisfied.>

Security Requirements

We know you care about the security of your account. So do we. Whether you received an email from us encouraging you to change your password or you've noticed suspicious activity, here are our top recommendations for keeping your account and personal information safe.
- *Use a password unique to Netflix and change it periodically*
- *Add a phone number to your account for additional security*
- *Sign out of unused devices*
- *Be aware of possible phishing attempts*
- *Keep your computer safe*
- *Report fraudulent or suspicious activity*
- *Report security flaws to us*

Software Quality Attributes

We provide the users with both simple and advanced features. Due to its well designed and easy to use interface it can be used by both experts and typical users. However, users must already have a basic knowledge of streaming before using it.

Business Rules

- *Never compromise with the Quality.*
- *Give the best user experience and resolve and issues or problems asap.*
- *Always keep the model to a highly optimized one.*

6. Other Requirements

<Define any other requirements not covered elsewhere in the SRS. This might include database requirements, internationalization requirements, legal requirements, reuse objectives for the project, and so on. Add any new sections that are pertinent to the project.>

Appendix A: Glossary

<Define all the terms necessary to properly interpret the SRS, including acronyms and abbreviations. You may wish to build a separate glossary that spans multiple projects or the entire organization, and just include terms specific to a single project in each SRS.>

Appendix B: Analysis Models

<Optionally, include any pertinent analysis models, such as data flow diagrams, class diagrams, state-transition diagrams, or entity-relationship diagrams.>

Appendix C: To Be Determined List

<Collect a numbered list of the TBD (to be determined) references that remain in the SRS so they can be tracked to closure.>