

Technical Documentation

This document provides a technical dissection of the Netflix streaming platform, analysing its core functionalities, architecture, and potential technologies used

Document Title: Product Dissection for Netflix

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1. Introduction

Netflix, A global streaming giant, has revolutionized the way people watch TV and movies, effectively addressing real-world challenges through its innovative product offerings. Netflix is a subscription-based streaming service that allows users to watch TV shows and movies on a variety of devices, including TVs, computers, smartphones, and tablets. Netflix offers a wide variety of content, including original TV shows and movies, licensed TV shows and movies, and documentaries.

Netflix is a successful company that has revolutionized the way people watch TV and movies. It has also had a major impact on the entertainment industry. Netflix is well-positioned to continue to grow and innovate in the years to come.

2. Getting Started

2.1 System Requirements

- ☐ Operating System: Any operating system
- ☐ Hardware: Minimum 2GB RAM, 10GB free disk space
- ☐ Internet connection (optional)

2.2 Download

- ☐ Download the Product Dissection pdf from the Google Drive link.

- Double-click the downloaded file and scroll through the pdf.

3. Core Functionalities

Case study about Real-world problems and their solutions offered by Netflix in the Entertainment domain.

Top Features of Netflix.

- **Wide Variety of Content:** Vast library of movies, TV shows, documentaries, and originals catering to diverse interests.
- **Offline Viewing:** Download content for watching without an internet connection, ideal for travel or limited connectivity.
- **Ad-Free Experience:** Enjoy uninterrupted entertainment without commercials, a major perk for many users.
- **Transparent Pricing:** Access the entire library within your chosen subscription plan, avoiding hidden fees or pay-per-view charges.
- **Multiple User Profiles:** Create personalized profiles for different viewers with tailored recommendations and watchlists.
- **Parental Controls:** Set restrictions on mature content to ensure a safe viewing environment for children.

4. Schema Description

Schema Description The schema for Netflix involves multiple entities that represent different aspects of the platform. These entities include Users, Profiles, Watchlists, Ratings, Reviews, Payment Methods, Addresses, Transactions, and Subscriptions for User Management. Each entity has specific attributes that describe its properties and relationships with other entities.

5. ER Diagram

ER diagrams, or Entity-Relationship diagrams, tell us a lot about the structure and relationships of data within a system or database. They are visual representations that use symbols to show:

Entities: These are the core data objects, like users, products, orders, etc. They are represented by rectangles in the diagram. **Attributes:** These are the individual characteristics of each entity, like username, product name, order date, etc. They are shown within the entity rectangles. **Relationships:** These connections show how entities interact with each other. Different line styles and symbols denote different types of relationships, such as one-to-one, one-to-many, and many-to-many.

6. Research and Tools

Microsoft Word for Mac

Version 16.78.3 (23102801)

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Google for Research purposes and Chat-GPT for a Deeper understanding of the topics.

[Lucidschat.com](https://lucidschat.com) and [Draw.io](https://draw.io) for ERD