



**Linnæus University**

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## Assignment 1

# Netflix Requirements Document

*2DV608*



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## 1 Introduction

In this document the requirements for a Film streaming application will be listed, analysed and validated. This application will include a catalogue of films which users can watch at any time they require as long as they are a member of the system.

## 2 Stakeholders

- Customers (End-Users)
- Investors
- Netflix Managers
- Film Producers (Content Creators)
- Netflix Developers
- Content Regulators

## 3 Requirements

### 3.1 Functional Requirements:

**FR01:** System should allow users to select and watch films.

Description: Input should include user selected a film and output should play the film.

**FR02:** Users should be able to register to the System.

Description: Input should require user to give their information and output should grant them access to system.

**FR03:** Users should be able to search for films.



Description: Input should be a title of a film in search bar and output should be results for films with respective title.

### 3.2 Non-Functional Requirements:

**NFR01:** Films/Videos should not buffer for longer than ten seconds.

**NFR02:** User should be able to use their account on 5 devices at a time.

**NFR03:** All unsuccessful login attempts to accounts must be reported to the users owning the account.

## 4 Requirements Analysis

Checklist	FR01	FR02	FR03	NFR01	NFR02	NFR03
Premature Design	No	No	No	Yes	Yes	Yes
Combined Requirements	No	No	No	No	No	No
Unnecessary Requirements	No	No	No	No	No	No
Use of non-standard hardware	No	No	No	No	No	No
Conformance with Business Goals	Yes	Yes	Yes	Yes	Yes	Yes
Requirements Ambiguity	No	No	No	Yes	Yes	No
Requirements Realism	Yes	Yes	Yes	Yes	Yes	Yes
Requirements Testability	Yes	Yes	Yes	Yes	Yes	Yes



**Analysis:** There are some inconsistencies found during the analysis phase. However, at this point they are not large enough to motivate a change in the requirements.

## 5 Requirements Classification

**FR01:** System, User Interface

**FR02:** System, Database, Security, Communication

**FR03:** System, User Interface, Database

**NFR01:** System, User Interface

**NFR02:** System, Database

**NFR03:** Database, Security

## 6 Risk Assessment of Requirements

<b>Risks</b>	<b>FR01</b>	<b>FR02</b>	<b>FR03</b>	<b>NFR01</b>	<b>NFR02</b>	<b>NFR03</b>
Performance Risks	Yes	No	Yes	Yes	No	No
Safety and Security Risks	No	Yes	No	No	No	Yes
Process Risks	No	No	No	No	No	No
Implementation Tech. Risks	No	No	No	No	No	No
Database Risks	No	No	No	No	No	No
Schedule Risks	Yes	No	No	Yes	No	No
External Risks	No	Yes	No	No	No	No
Stability Risks	Yes	Yes	No	Yes	Yes	No
<b>Assessment</b>	<b>Low</b>	<b>Low</b>	<b>Low</b>	<b>Low</b>	<b>Low</b>	<b>Low</b>



## 7 Systematic Validation of Requirements

For all requirements:

Are the requirements <b>complete</b> ?	Yes
Are the requirements <b>consistent</b> ?	Yes
Are the requirements <b>comprehensible</b> ?	Yes
Are the requirements <b>ambiguous</b> ?	No
Is the requirements document <b>structured</b> ?	Yes
Are the requirements <b>traceable</b> ?	Yes
Does the requirements document conform to defined <b>standards</b> ?	Yes

**Analysis:** This section has brought up an ambiguity and comprehensibility issue with **NFR02**. Hence, requiring a slight adjustment shown below:

*Updated Requirement-* **NFR02**: User should be able to use their account on **at least 5** devices at a time.

## 8 Test Cases for Requirements

The following are Test Cases for the Functional Requirements:

### 8.1 TC01 Film Selection Successful

<b>Requirement</b>	<b>FR01</b>
<b>Scenario</b>	System should allow users to select and watch films.
<b>Precondition</b>	System is started and user has logged-in successfully
<b>Postcondition</b>	Selected film plays
<b>Test Steps</b>	<ol style="list-style-type: none"><li>1. Select a film from panel.</li><li>2. Click on film.</li><li>3. Click play button on screen.</li></ol>



<b>Expected</b>	Film begins playing
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## 8.2 TC02 Registration Successful

<b>Requirement</b>	<b>FR02</b>
<b>Scenario</b>	Users should be able to register to the System.
<b>Precondition</b>	System is started successfully
<b>Postcondition</b>	User is granted access to System
<b>Test Steps</b>	<ol style="list-style-type: none"><li>1. Click 'Register' button.</li><li>2. Enter name in required field.</li><li>3. Enter email in required field.</li><li>4. Enter password in required field.</li><li>5. Re-enter password in 'confirm password' field.</li><li>6. Enter Bank details in required field.</li><li>7. Click 'Finish' button.</li></ol>
<b>Expected</b>	User successfully registered and granted access to System.

## 8.3 TC03 Search Results Successful

<b>Requirement</b>	<b>FR03</b>
<b>Scenario</b>	Users should be able to search for films.
<b>Precondition</b>	System is started successfully
<b>Postcondition</b>	Search results for films appear.
<b>Test Steps</b>	<ol style="list-style-type: none"><li>1. Click search icon on top left corner of screen.</li><li>2. Enter 'the' in search bar.</li><li>3. Click 'search' button.</li></ol>
<b>Expected</b>	Search lists for films with 'the' in their title appears.