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**Group09**

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**Video web  
Vision Document**

**Version 1.0**

Video web	Version: 1.0
Vision Document	Date: 11/06/2022

## Revision History

Date	Version	Description	Author
11/06/2022	1.0	This version provides information about the project. It includes problem statements, stakeholder, product function, system high-level view, and more about our project. These sections are fulfilled with limited information from Group09. This version will be upgraded with more information in future.	Group09

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## Vision (Small Project)

### 1. Introduction

#### 1.1 Purpose

- The purpose of this document is to define the end-user video viewing with high-level requirements, and to help users better understand how the web works.

#### 1.2 References

- [1] Course Registration, <https://sceweb.uhcl.edu/>  
[2] Ho Tuan Thanh, PA1 Vision Document, <https://youtube.com/playlist?list=PL3Bp9JDvkAra8rRrUOpfKdKvJ6-okqaw>  
[3] Course: Nhap mon Cong nghe Phan Mem - 20CLC09, <https://courses.ctda.hcmus.edu.vn/>

### 2. Positioning

#### 2.1 Problem Statement

The problem of	Videos storage
affects	Admins and uploaders
the impact of which is	Movie store is not rich
a successful solution would be	Use google drive with a university-issued student account for unlimited video storage

#### 2.2 Product Position Statement

For	the product is for most people but the appropriate age segmentation in the product
Who	entertainment
The (product name)	is an entertainment website
That	can watch the latest movies without going to the theater
Unlike	Other websites will force customers to pay money first before they can experience the copyrighted movie
Our product	Unlike other websites, copyrighted movies will be viewed at the first minute so that customers can evaluate whether the movie is suitable for them, don't like it, spend money to register for a vip account, and other movies will be fine.

### 3. Stakeholder and User Descriptions

- This section describes the users of the video web. There are 3 types of users of the web: the administrators, the viewers, and the uploaders.

#### 3.1 Stakeholder Summary

Name	Description	Responsibilities
Development team (Group09)	Product code and data processing	UI design; FE, BE of the website; write documents (vision documents, project plan, SAD, meeting reports...).
Theory lecturer (Nguyen Thi Minh Tuyen)	Lecturer provides knowledge and advice	Teach Group09 software development processes.

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Project mentor (lab teacher) (Ho Tuan Thanh)	Project mentor provide methods to guide project development	Provide template documents, teach us software development architecture. Help Group09 to improve documents, product. Provide interesting functions and lead the project to the best outcome.
Nguyen Huy Hoang (20127168)	Person who likes to watch movies on our website	Provides some new ideas for the extensions. Introduce new utility functional requirements that enrich the web.

### 3.2 User Summary

Name	Description	Responsibilities	Stakeholder
General user	Those who do not register for an account	Watch movies	self-represented
Vip user	Those who register for a VIP account	Enjoy the benefits of General user and can comment, rate movies, upload movies and recommend new movies to Admins	self-represented
Admin	System and user management	Manage the interface; browse movies that users recommend; browse movies that users upload; manage user information	self-represented

### 3.3 User Environment

- Our project is a non-profit project so anyone using a device has internet access, and most young individuals; individuals aged from 13 to 35, have a love for movies can watch videos on our website.
- At the moment, our website is supposed to run on browsers (chrome, firefox) with Windows 10, 11 operating system. There is no requirement to use our website.
- The initial release of Video web will be limited to Group09. Later releases will be used on representation (PA06).

### 3.4 Summary of Key Stakeholder or User Needs

Need	Priority	Concerns	Current Solution	Proposed Solutions
Help users can watch their favorite videos on the web	high	Because watching videos on TV is quite inconvenient and requires a DVD player and DVD disc	People often use television or go directly to the cinema to watch movies	As long as the computer has an internet connection, users can watch their favorite videos at home

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Upload video	high	The demand for watching videos is great, but video sharing is still limited	To share their videos, users must go directly to the place they want to share (shared videos are recorded on a storage device). So sharing videos as well as finding other videos is very difficult and limited	Movie lovers can easily share their videos at home and easily enjoy other shared videos.
Recommend videos	high	Everyone has a preference for watching different types of videos, so it is necessary to have a function to express their preferences.	Users can only search for new videos through advertisements in theaters or through referrals on the street	The automatic recommendation keeps users updated with new movie information continuously and not to miss their favorite videos
Comment	medium	After watching a video, viewers can rate that video according to their perception as good or bad so that other users can know their point of view and decide whether to watch the video or not.	Viewers give their opinion on videos with just words or personal comments to the cinema	Everyone can make their own comments about the video publicly for others to reference and debate
Download video	low	Some users can download a video they love to their device for the case when they can't connect to the internet but can still watch the movie or because of their other needs.	Viewers record videos on the website using mobile devices or other recording devices	Users need an internet connection to download videos from the website to a local storage device

### 3.5 Alternatives and Competition

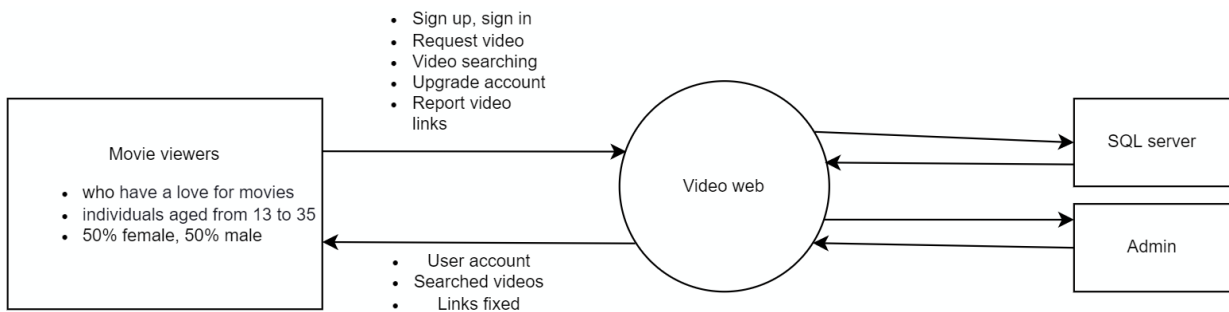
- Netflix is an outstanding project. They support videos with 4k resolution and dolby atmos sound (theater sound technology). Besides, their videos have previews to present content of the film.

## 4. Product Overview

- This section provides a high-level view of the Video web and block diagram to give overview system description.

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#### 4.1 Product Perspective



#### 4.2 Assumptions and Dependencies

- The site runs 24/7
- Responsive web (can open on PC and mobile without broken interface)

### 5. Product Features

#### 5.1 Log in/sign up

The user must provide an account name and valid password to register the account. Account name and password will be changed after.

#### 5.2 Watch movie

Users can watch movies even if they are not logged in (but will not save movie history)

#### 5.3 Search videos

Users need to enter information related to the video, or hashtag, the registrant named web will list the videos available on the web that the user needs to find.

#### 5.4 Like the video

The user can like videos and review their favorite video category later. Likes help gauge a video's credibility (videos with more likes are recommended more)

#### 5.5 Save video likes into individual categories

Allows users to create video categories according to their preferences for easy classification and search.

#### 5.6 Download videos

Users can download videos from the website to their computers so they can watch videos even without an internet connection.

#### 5.7 View history

Watched videos will be saved in a category, users can search for previously unfinished videos quickly.

#### 5.8 Video upload history

All information videos (name, posting date, genre,...) will be saved in the historical subscription video category so that users can review the details of their video posting work.

#### 5.9 Video Comments

You are used to reviewing each video and discussing the content together.

#### 5.10 Post a video

Allow users to upload videos.

Video sources will be divided into 2 types:

Show poster's name is the site.

Show poster name is the video provided account name.

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#### 5.11 Edit, delete videos

Edit the video describing the information after posting or delete the video if necessary.

#### 5.12 Hide, show videos

Users who post videos can choose to show or hide the video anytime they want.

#### 5.13 Edit Profile

The establishment using the information must include name, address, phone number, or email. All information can be edited at any time.

#### 5.14 Report video link error

Each video has a report for feedback about unplayable video links. This report will be sent to the user register and web admin, then they will check the video again.

#### 5.15 VIP account Payment

When the user wants to upgrade the account, ask the user to enter the bank information and password to make the transaction. This information will complete the security.

#### 5.16 Manage interface

Allows users to choose a light or color mode that suits their habits and preferences.

#### 5.17 Video censorship

Videos from users who do not want their names displayed will be checked by the administrator before being uploaded to the web.

#### 5.18 Moderate users who want to post movies (posters)

These users will submit a request to be free to post the movie. The administrator will check the safety of this account, and if it is ok, will allow this user to post videos. These videos will show the source as the person himself.

#### 5.19 Movie Suggestions

New movies or many likes and views will be prioritized for nomination.

Videos of the same genre as the videos users watch often will also be suggested regularly.

#### 5.20 Account Management

Allow statistics, check and manage the list of accounts, block, and top uploader.

## 6. Non-Functional Requirements

- Users can access images, audio, and video.
- Website accessible 24/7 (except during maintenance).
- When paying to upgrade an account, ask the user to reconfirm the password.
- Security of user information (encryption of user input).
- When you forget your account access password, you can request a link to change your password to your email or phone number.
- The maximum search speed is 10s, if it can't load, it will report a page error.
- Compatible with many mobile devices.