

SuperMediaSeeker.com

Requirements Document

Version 2.0

Isa Yolbarsov
Jerrold Graham
Robison Acosta
Mya Duncan

Table of Contents

Project Drivers

1. The Purpose of the Project
 - a. The User Business or Background of the Project Effort
 - b. Goals of the Project
2. The Client
3. Users of the Product

Project Constraints

4. Mandated Constraints
 - a. Solution Constraints
 - b. Partner or Collaborate Applications
 - c. Schedule Constraints
5. Definitions
6. Assumptions

Functional Requirements

7. The Scope of the Work
 - a. The Current Situation
 - b. The Context of the Work
 - c. Work Partitioning
8. The Scope of the Product
 - a. Product Boundary
 - b. Product Use Case List
 - c. Individual Product Use Cases
9. Functional and Data Requirements
 - a. Functional Requirements
 - b. Data Requirements

Nonfunctional Requirements

10. Look and Feel Requirements
 - a. Appearance Requirements
 - b. Style Requirements
11. Usability and Humanity Requirements
 - a. Ease of Use Requirements
 - b. Learning Requirements
 - c. Understandability and Politeness Requirements
 - d. Accessibility Requirements
12. Performance Requirements
 - a. Speed and Latency Requirements
 - b. Reliability and Availability Requirements
 - c. Capacity Requirements
13. Maintainability and Support Requirements
14. Security Requirements
 - a. Access Requirements
 - b. Privacy Requirements

Project Issues

- 15. Open Issues
- 16. Risks
- 17. User Documentation
- 18. Waiting Room

Project Drivers

The Purpose of the Project

a.The User Business or Background Effort of the Project

SuperMediaSeeker.com aims to make searching for a specific movie or tv show fast and

convenient. It will eliminate the mystery of searching for a desired film on streaming services, only to find it after several attempts on many platforms, or never finding it at all. With the help of this site, users can figure out where they can watch their favorite movies and tv shows in seconds, and go there right away.

b.Goals of the Project

Goal of the project is to simplify the search process and find streaming platforms for movies, tv shows.. The program will tell the user which streaming platform their media of choice is available on after entering the name of the media to the website.

The Client

Hungry Lion Studios

Users of the Product

User name/category: This website is for people in the United States.

Age group: Age 6+

Gender: All genders

User role: The main responsibility of the user is to navigate through website and type their desired entertainment on the search bar.

Subject matter experience: Novice

Technological experience: Basic knowledge

Physical abilities/disabilities: Users should be able to navigate and type to search for their media of choice.

Intellectual abilities/disabilities: Users must have an intermediate level of reading and typing in English.

Attitude toward technology: Positive

This product is free for anyone to use, so long as they have adequate spelling skills.

Education: All level of education

Linguistic skills: English

Project Constraints

Mandated Constraints

a. Solution Constraints

Description: The program shall give results of streaming platforms for searched movies, tv shows, etc. The first version of the website will only include media available in the United States and will only be available in English.

Rationale: Users will not pay for searched entertainment.

Fit criterion: All results should be accurate and clear for users.

b. Partner or Collaborate Applications

This website will be able to be accessed from anywhere with an internet connection thus reaching a large number of potential users. Also media databases from streaming service websites may be used.

c. Schedule Constraints

Website must be completed by the end of the Spring 2020 semester. No other deadlines that have been set.

Definitions

Streaming platform/streaming service- a website and/or application that allows users to stream media such as movies/tv shows.

Assumptions

- The user wants to search for a movie or tv show, so the website must inform the user on where they can or cannot watch their movie/tv show.
- All searches entered must be spelled correctly using English characters.
- Users have access to the internet.
- Basic knowledge on how to navigate through the website and type on the keyboard.
- Input from the user is the name of a media that may or may not exist.

Functional Requirements

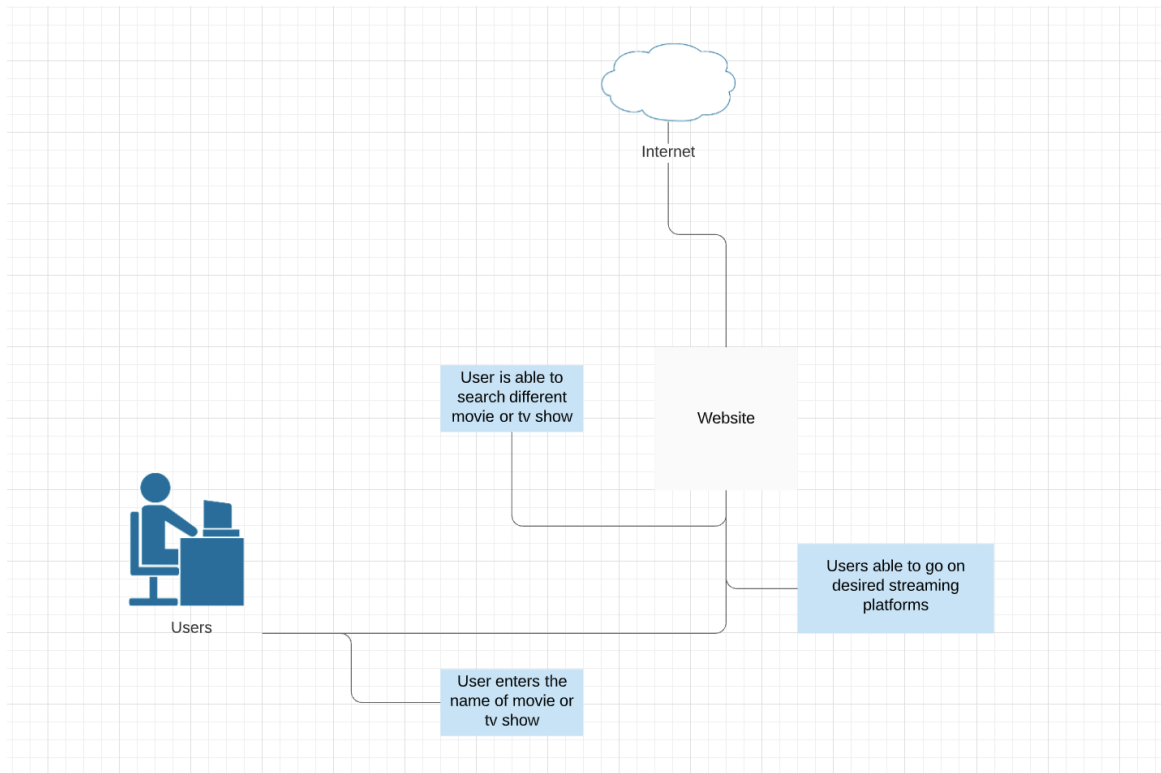
The Scope of the Work

The website will prompt the user for the name of a movie or tv show they want to see. Once the input is taken, the website will provide a list of streaming services where the movie or tv show they entered can be viewed on. Each search result consists of the name of the streaming service, a picture of the logo, and a link that will take the user to said streaming service's website. Media lists must update periodically to prevent taking users to streaming sites that removed the movie they searched for.

a. The Current Situation

Currently there is no website where people can search for their desired movie or tv show and see in which streaming platforms they can watch their movie or tv show. So this website will bring people together by simplifying the search process and finding streaming platforms for movies, tv shows.

b. The Context of the Work



c. Work Partitioning

Event Name: Movie search

Input: User enters the name of movie or tv show

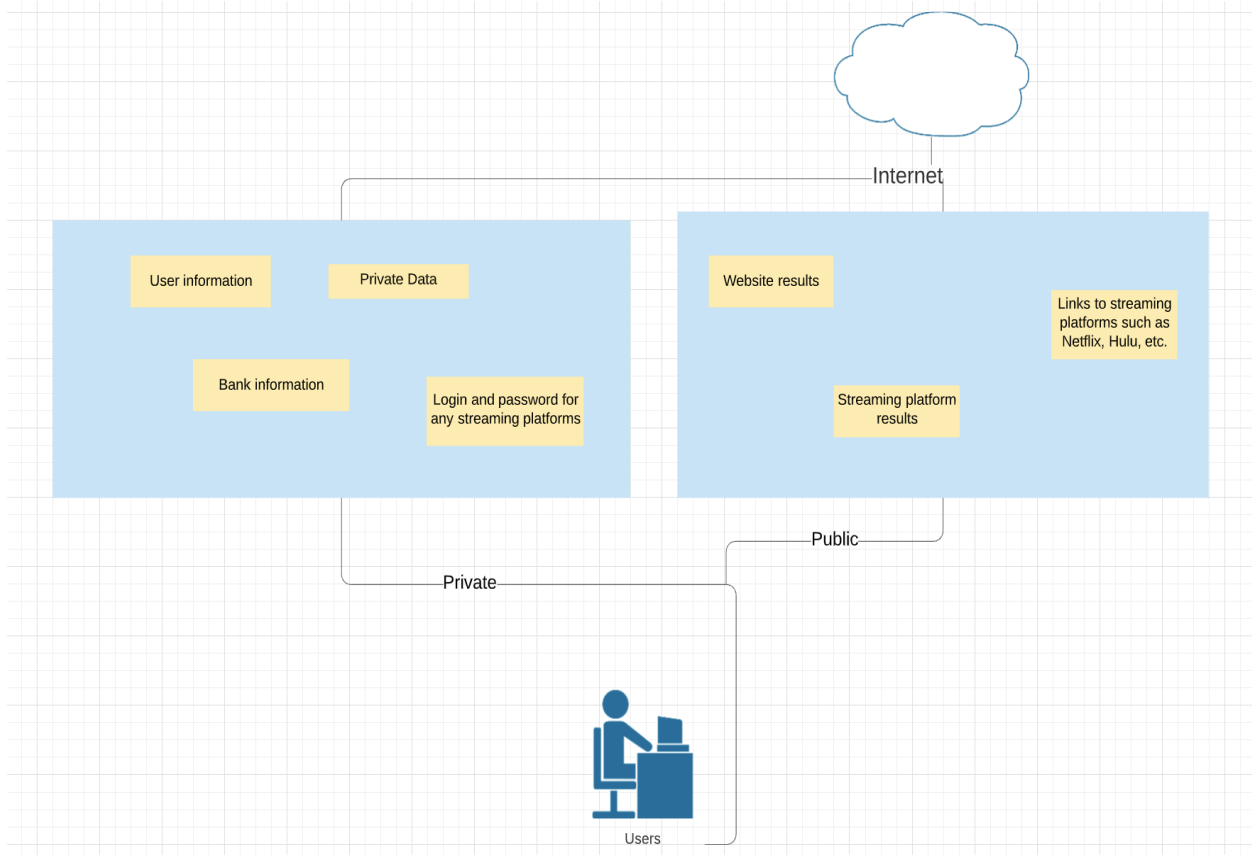
Output: Website will output which streaming platforms have the movie or tv show entered

Summary: User enters the name of movie or tv show and website will show which streaming platform they can watch

The Scope of the Product

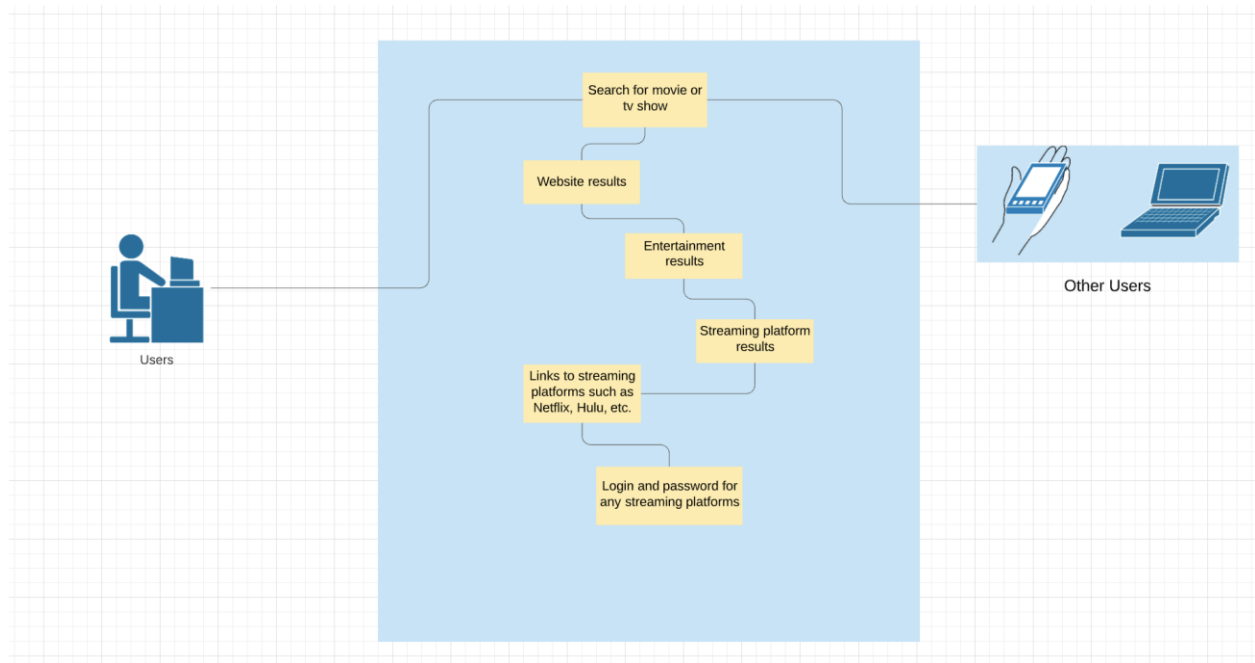
The first version of SuperMediaSeeker.com keeps a database of movies and tv shows viewable from the most popular streaming services in the United States, exclusively, but will include streaming services across the world in later versions.

a. Product Boundary



- Private - this information is only private to the user, by means data will not be collected from the user.

b. Product Use Case List



c. Individual Product Use Cases

- Search bar allows users to enter name of movie or tv show
- Streaming platform results will display where user can watch the movie or tv show searched
- Links to streaming platforms: such as Netflix, Hulu, etc.
- Users then will be able to login or sign up for their choice of streaming platforms

Functional and Data Requirements

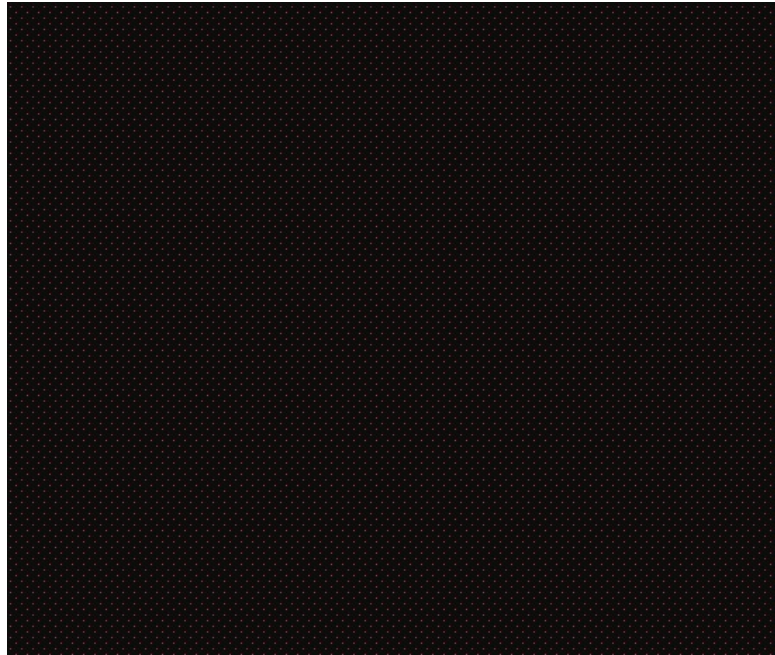
- Requirement #1
- Description: The program shall give results of streaming platforms for searched movies, tv shows, etc.
- Rationale: Users will not pay for searched entertainment.
- Fit criterion: All results should be accurate and clear for users.
- Priority:1
- Conflicts: None
- Author: Hungry Lion Studios
- Date: 1/29/2020

Nonfunctional Requirements

Look and Feel Requirements

a. Appearance Requirements

The Super Media Seeker website will have a black and red patterned background page(see image below), with “Super Media Seeker” displayed in the middle of the page, in red letters . Under the website’s name there will be a search bar for the user to enter their movie or tv show name. The Hungry Lions Studios brand name will be displayed in the bottom right hand corner of the startup page and when a user searches, the Hungry Lions Studios brand name also will be displayed at the bottom of the page. The appearance of the website after a user searches for a movie will be a search bar at the top of the webpage, used for new searches or modifying a search. Below the search bar , there will be an image associated with the movie or tv show and under that image the logo of the streaming service the movie or tv show is on will be displayed. At the bottom of the page there is a “Comments” sections.



b. Style Requirements

When a user is searching on the startup page, “Video Search Suggestions” will begin to appear in the event they have forgotten the complete name of a movie or their spelling is not correct. This feature will limit the user trying to guess the name of a video and be guaranteed the site will give them their desired results. The results page will display the most common movie poster or tv show poster that a movie or show utilizes. Using a common poster will help the said user , to hopefully recognize the show or movie they are looking for. The Netflix, Hulu and Prime Video logos will be displayed along with the image of the movie or show poster because those streaming services are known globally and a user will quickly identify with the logos. We want the users to have the ability to associate a movie or show quickly with an image and know where that video is being shown by the logo of the streaming service even if the user cannot recall the name of the streaming platform.

Usability and Humanity Requirements

a. Ease of Use Requirements

Efficiency:

The user is first brought to a startup “Super Media Seeker” page where they have the ability to search for the first time. Their result is displayed on one page, if the video exists. On the page that their very first result is displayed they are able to search again to modify the search result or if a video they assume that could be playing on a streaming service should be shown, but is not shown on the Super Media Seeker website. In the terms of the user knowing what they are looking for and the video being in our database, it should take one page view before a routine task is completed.

Effectiveness:

A search for a movie or show can accurately produce results if and only if the user has entered in English characters and the name of video they are searching for is in our database. A user will not have to worry about entering the incorrect video title, because of our “Video Search Suggestions”. Errors are produced when a video name that has been entered is not in the Super Media Seeker database.

Engaging:

The users will be satisfied that once they start typing their desired video title , the website suggests a video title based on what the user is typing. The user will also be satisfied with the video results page. Only one result is displayed and that is the video they searched and the logo or logos of the streaming services that are showing the video. If the user would like to view the video on one of the streaming services, all they need to do is click the logo and they will be redirected to the streaming service’s website. The frustrations that will occur when using the website is when the video a user is searching for has not been entered into our database. Therefore the user will have to search a streaming service site manually and not be quickly told by our website.

Error Tolerant:

If a user encounters a site error or is looking for a movie or show but the movie or show is not being displayed, the user will be able to go to the “Comments” sections of the results display page and type in any problems they are having or a movie or tv show they would like to have visible on the website and a Hungry Lions member will make it their top priority to fix a site error and/ or add site new videos.

Easy to Learn:

If a user knows what movie or show they are searching for, or part of the title , the website will suggest the full title. Most of the work is being done for the user.

b. Learning Requirements

The website will be easy to learn if English is the user’s native language and/or second language. If the user does have difficulty spelling a video title because English is not their native language, our search engine will still be able to give the user the possible video title they are searching for. If the user uses search engines such as Google, the startup page will be easy for

them to navigate , especially with the ‘Video Search Suggestions’ which is similar to Google’s ‘Search Suggestions’.

c. Understandability and Politeness Requirements

The website will display Netflix, Hulu and Prime Video’s logos. These are logos that have a potential of being seen everyday by the user even if they do not have one of the streaming services. All three companies run ads, through social media, online and tv, Prime Video’s new logo may not be as recognizable to the masses , but the word “Prime” is in the Amazon Prime Video application logo and Amazon’s curved arrow logo under the word “video”, so there is the quick association with Amazon, Amazon Prime or Prime subscription.

d. Accessibility Requirements

For users who are partially-visually impaired, there will be an option in which the website results will read back to them. For example, If the show “Seinfeld ” was entered and the user searched, they would hear, “Seinfeld is on Hulu”. The website is not capable of catering to a person who is blind, but if the user is able to see or partially see their keyboard, screen or mouse they can use the website and have the results voiced to them.

Performance Requirements

a. Speed and Latency Requirements

When a user is typing in their desired tv show or movie title into the search and the spelling of the that tv show or movie is nowhere close to the actual title, our ‘Video Search Suggestion’ will start to suggest a title within a minimum of 5 seconds, stop suggesting after a maximum of 10 seconds. If the user’s spelling is acceptable, the ‘Video Search Suggestion’ will suggest a title within a minimum of 5 seconds and stop suggesting after 7 seconds. Because Super Media Seeker gives the user a title, with a correct spelling, the results page should be displayed within a minimum of 8 seconds and a maximum of 11 seconds. **All of these measurements vary by internet connection speed.**

b. Reliability and Availability Requirements

The product is available for use 24 hours per day, 365 days per year. The product is only limited in use, when a Hungry Lions Studios staff member is adding new movies or tv shows to the database. It is said to be limited in use to the user because they cannot search for the movie or tv they desire.

c. Capacity Requirements

The website should be able to handle a traffic of 430 simultaneous users within the time period from 5:00 P.M. to 9:00 P.M.

Maintainability and Support Requirements

With new movies and shows coming out frequently, each week, it will take a Hungry Lion Studios staff member 24 hours to 48 hour maximum to add new movies and shows to the database for users to be able to search properly and smoothly.

Security Requirements

a. Access Requirements

Only authorized personnel/staff from the Hungry Lion Studios may have access to the databases, and have the ability to modify them. Authorized personnel/staff from the Hungry Lion Studios may access the website site hosting service/servers. Any user can access the regular site with an internet connection.

b. Privacy Requirements

The website shall not collect private data on its users.

The website shall inform its users in the event that there are changes to the websites information policy.

Project Issues

Open Issues

Website must handle all errors, including invalid input from the user and when the movie they search for does not exist on any streaming service anymore. Movie lists must update periodically to prevent taking users to streaming sites that removed the movie they searched for.

Risks

Hungry Lion Studios has acknowledged that there are the following risks associated with this project:

- Low quality.
- Low efficiency..
- Schedule pressure.
- Mismanagement of databases and/or web hosting service.

User Documentation

The following User Documentation will be provided to any user who accesses the website:

- Terms of Service
- User Manual
- Hardware and Software Requirements
- FAQ (Future update)

Waiting Room

Eventually, more features will be added to the website. There will be a FAQ section added eventually to answer some basic and general questions many users may have.. Another feature to be added is a filter for searching, or a filter for narrowing down results. Also, Hungry Lion Studios plans to expand this website internationally in the future and will provide users with the ability to translate the site to any language.