

Software Requirements Specification for Flick Picker: Group Show Finder

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Contents

1	The Purpose of the Project	1
1.1	The User Business or Background of the Project Effort	1
1.2	Goals of the Project	1
2	The Stakeholders	1
2.1	The Client	1
2.2	The Customer	1
2.3	Other Stakeholders	1
2.4	The Hands-On Users of the Product	1
2.5	Personas	2
2.6	Priorities Assigned to Users	2
2.7	User Participation	2
2.8	Maintenance Users and Service Technicians	2
3	Constraints	2
3.1	Solution Constraints	2
3.2	Implementation Environment of the Current System	2
3.3	Partner or Collaborative Applications	2
3.4	Off-the-Shelf Software	2
3.5	Anticipated Workplace Environment	3
3.6	Schedule Constraints	3
3.7	Budget Constraints	3
3.8	Enterprise Constraints	3
4	Naming Conventions and Terminology	4
4.1	Glossary of All Terms, Including Acronyms, Used by Stakeholders Involved in the Project	4
5	Relevant Facts and Assumptions	4
5.1	Relevant Facts	4
5.2	Business Rules	4
5.3	Assumptions	4
6	The Scope of the Work	4
6.1	The Current Situation	4
6.2	The Context of the Work	5
6.3	Work Partitioning	6
6.4	Specifying a Business Use Case (BUC)	6
7	Business Data Model and Data Dictionary	6
7.1	Business Data Model	6
7.2	Data Dictionary	6

8	The Scope of the Product	6
8.1	Product Boundary	7
8.2	Product Use Case Table	7
8.3	Individual Product Use Cases	7
9	Functional Requirements	7
9.1	Functional Requirements	7
10	Non-Functional Requirements	7
10.1	Look and Feel Requirements	7
10.1.1	Appearance Requirements	7
10.1.2	Style Requirements	7
10.2	Usability and Humanity Requirements	7
10.2.1	Ease of Use Requirements	7
10.2.2	Personalization and Internationalization Requirements	8
10.2.3	Learning Requirements	8
10.2.4	Understandability and Politeness Requirements	8
10.2.5	Accessibility Requirements	8
10.2.6	Convenience Requirements	8
10.3	Performance Requirements	8
10.3.1	Speed and Latency Requirements	8
10.3.2	Safety-Critical Requirements	8
10.3.3	Precision or Accuracy Requirements	8
10.3.4	Reliability and Availability Requirements	8
10.3.5	Robustness or Fault-Tolerance Requirements	8
10.3.6	Capacity Requirements	8
10.3.7	Scalability or Extensibility Requirements	9
10.3.8	Longevity Requirements	9
10.4	Operational and Environmental Requirements	9
10.4.1	Expected Physical Environment	9
10.4.2	Wider Environment Requirements	9
10.4.3	Requirements for Interfacing with Adjacent Systems	9
10.4.4	Productization Requirements	9
10.4.5	Release Requirements	9
10.4.6	Backwards Compatibility Requirements	9
10.5	Maintainability and Support Requirements	9
10.5.1	Maintenance Requirements	9
10.5.2	Supportability Requirements	10
10.5.3	Adaptability Requirements	10
10.6	Security Requirements	10
10.6.1	Access Requirements	10
10.6.2	Integrity Requirements	10
10.6.3	Privacy Requirements	10

10.6.4	Audit Requirements	10
10.6.5	Immunity Requirements	10
10.7	Cultural Requirements	10
10.7.1	Cultural Requirements	10
10.8	Compliance Requirements	10
10.8.1	Legal Compliance Requirements	11
10.8.2	Standards Compliance Requirements	11
11	Project Issues	11
11.1	Open Issues	11
11.2	Off-the-Shelf Solutions	11
11.2.1	Ready-Made Products	11
11.2.2	Reusable Components	11
11.2.3	Products That Can Be Copied	11
11.3	New Problems	11
11.3.1	Effects on the Current Environment	11
11.3.2	Effects on the Installed Systems	11
11.3.3	Potential User Problems	12
11.3.4	Limitations in the Anticipated Implementation Environment That May Inhibit the New Product	12
11.3.5	Follow-Up Problems	12
11.4	Tasks	12
11.4.1	Project Planning	12
11.4.2	Planning of the Development Phases	12
11.5	Migration to the New Product	12
11.5.1	Requirements for Migration to the New Product	12
11.5.2	Data That Has to Be Modified or Translated for the New Product . .	12
11.6	Risks	12
11.7	Costs	12
11.8	User Documentation and Training	13
11.8.1	User Documentation Requirements	13
11.8.2	Training Requirements	13
11.9	Waiting Room	13
11.10	Ideas for Solutions	13

Revision History

Date	Version	Notes
Oct 1/22	0.0	Copying Volere Template and updating sections
Oct 1/22	0.1	Adding Sections 1, 3, 5
Oct 2/22	0.2	Adding Section 6

1 The Purpose of the Project

1.1 The User Business or Background of the Project Effort

The business aims to make finding shows across groups of friends with differing preferences easier by streamlining the process from start to finish. As a quick summary, users will be able to input their preferences, make groups with their friends, and the group will get recommendations based on all their preferences. In addition, an opportunity arose in the market after COVID passed as large groups can create host gatherings for any events, one such that this application can select.

1.2 Goals of the Project

Goals can shift as development continues, entirely losing scope on the developers' passion for why the application started. Thus there will only be a few immediate goals to capture the passion that developers currently have and will continue to uphold in the future:

- Provide a means of choosing a Movie, TV show, or Anime to watch immediately in a large friend group, which they all enjoy
- Users can be recommended a Movie, TV show, or Anime individually as well.
- Minimize the number of advertisements while using the application

2 The Stakeholders

a

2.1 The Client

a

2.2 The Customer

a

2.3 Other Stakeholders

a

2.4 The Hands-On Users of the Product

a

2.5 Personas

a

2.6 Priorities Assigned to Users

a

2.7 User Participation

a

2.8 Maintenance Users and Service Technicians

a

3 Constraints

3.1 Solution Constraints

There are no specific constraints the stakeholders have asked to be on the product regarding the solution. So instead, 7eam deems it necessary to have a general form of constraint on the development of Flick Picker that is the following:

- Flick Picker must have in-depth tests on any part of the application before releasing it to the users and also follow a strict and healthy software engineering process

There are no specific technological constraints. However, the technology stack must follow industry standards.

3.2 Implementation Environment of the Current System

The application will be deployed on a website, so the restrictions of a browser follow.

3.3 Partner or Collaborative Applications

N/A

3.4 Off-the-Shelf Software

The list of Movies, TV Shows, and Anime will be polled from two separate APIs, which is the following:

- MyAnimeList for data on Anime
- OMDB for data on TV Shows and Movies

3.5 Anticipated Workplace Environment

As Flick Picker is a browser application, 7eam expects users to use the application on their desktops or phones. Thus the application must be optimized for both possible settings, relying on a responsive layout. However, the users' physical workplace has no bearing on the design, as they can use it whenever necessary.

3.6 Schedule Constraints

The schedule is the same as the one Dr. Smith has provided us with

Team Formed, Project Selected	September 19
Problem Statement, Development Plan	September 26
Requirements Document Revision 0	October 5
Hazard Analysis 0	October 19
V&V Plan Revision 0	November 2
Proof of Concept Demonstration	November 14–25
Design Document Revision 0	January 18
Revision 0 Demonstration	February 6–February 17
V&V Report Revision 0	March 8
Final Demonstration (Revision 1)	March 20–March 31
EXPO Demonstration	April TBD
Final Documentation (Revision 1)	April 5
<ul style="list-style-type: none">- Problem Statement- Development Plan- Requirements Document- Hazard Analysis- Design Document- V&V Plan- V&V Report- User's Guide- Source Code	

3.7 Budget Constraints

The expenses for this application must not exceed \$500, and there are only five developers working on 7eam.

3.8 Enterprise Constraints

N/A

4 Naming Conventions and Terminology

a

4.1 Glossary of All Terms, Including Acronyms, Used by Stakeholders Involved in the Project

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5 Relevant Facts and Assumptions

5.1 Relevant Facts

There is no existing solution 7eam has found that fills a similar role as selecting a Movie, TV Show or Anime based on the preferences of a group of users.

5.2 Business Rules

N/A

5.3 Assumptions

There are a few assumptions 7eam deems necessary to see regarding Flick Picker's capabilities and what it will not do:

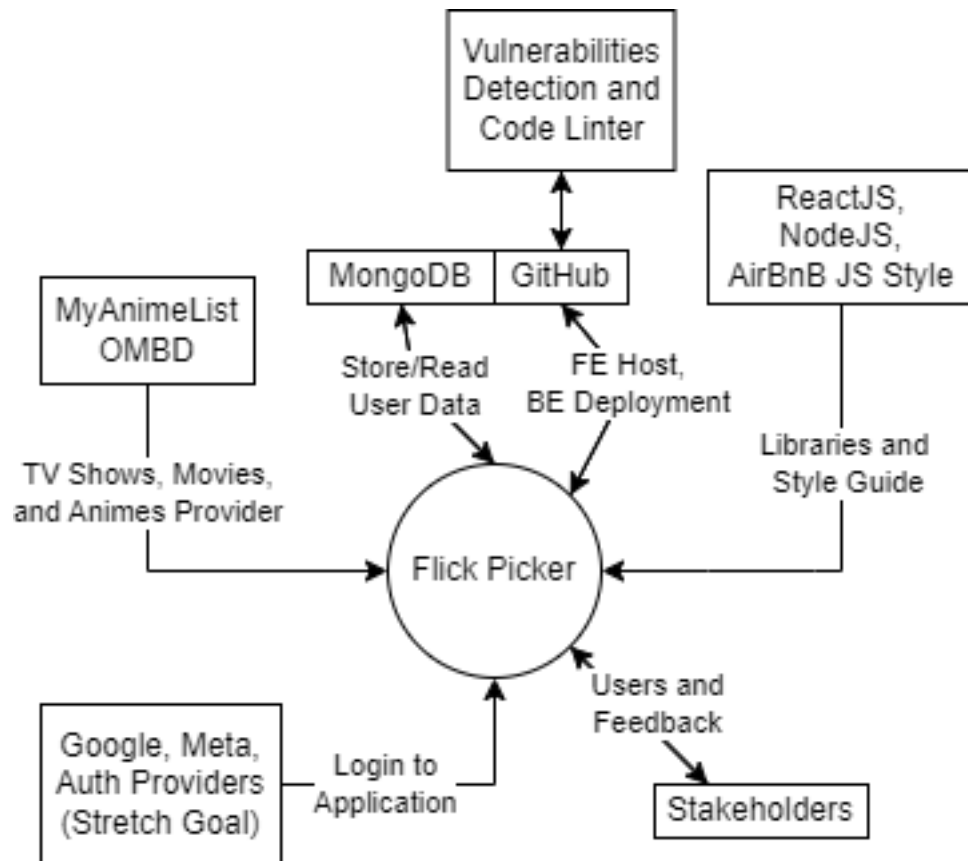
- Flick Picker will not provide a means to watch the selected show directly through the application
- Flick Picker will suggest the best movie, tv show, or anime for the group. This may violate the preferences of a member or multiple members of the group.
- The browser on which the application is used, through any device, is not deprecated

6 The Scope of the Work

6.1 The Current Situation

As Flick Picker is being built from the ground up, no existing business processes exist. However, 7eam has agreed to follow a rigorous development process, which is not changing. The developers must make a pull request against the 'develop' branch to make any changes, which two people must review before merging. If it is a code change, then tests must run on the deployed code, all passing and getting two reviews before merging.

6.2 The Context of the Work



6.3 Work Partitioning

Business Event List

Event Name	Input and Output	Summary of BUC
MyAnimeList/OMBD are polled	TV Show, Movie, and Anime Data (in)	Collect information about the shows to display to users
MongoDB data is updated	User data updated (out)	Any updates to user data are stored
MongoDB data is queried	User data retrieved (in)	Fetches everything needed for the user after login
Code is updated	GitHub redeploys new changes (in/out)	Updates the FE or BE deployment any time there is a merge to server
Deprecated library is used	Vulnerability detection blocks changes (in)	Deployment protection such that libraries are safe to use
Code does not match style	AirBnB style guide (in), Linter updates code (in/out)	Enforces the style guide on FE/BE development
External login is queried	External authentication validates user (in)	Allows users to log in with industry standard authentication providers

6.4 Specifying a Business Use Case (BUC)

N/A as summary of BUCs are above.

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8 The Scope of the Product

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