Software Requirements Specification for Flick Picker: Group Show Finder

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Contents

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

8	The	Scope of the Product					7
	8.1	Product Boundary					8
	8.2	Product Use Case Table					8
	8.3	Individual Product Use Cases	•		•		8
9	Fune	ctional Requirements					8
	9.1	Functional Requirements					8
10	Non	-Functional Requirements					8
	10.1	Look and Feel Requirements					8
		10.1.1 Appearance Requirements					8
		10.1.2 Style Requirements					8
	10.2	Usability and Humanity Requirements					8
		10.2.1 Ease of Use Requirements					8
		10.2.2 Personalization and Internationalization Requirements					9
		10.2.3 Learning Requirements					9
		10.2.4 Understandability and Politeness Requirements					9
		10.2.5 Accessibility Requirements					9
		10.2.6 Convenience Requirements					9
	10.3	Performance Requirements					9
		10.3.1 Speed and Latency Requirements					9
		10.3.2 Safety-Critical Requirements					9
		10.3.3 Precision or Accuracy Requirements					9
		10.3.4 Reliability and Availability Requirements					9
		10.3.5 Robustness or Fault-Tolerance Requirements					9
		10.3.6 Capacity Requirements					9
		10.3.7 Scalability or Extensibility Requirements					10
		10.3.8 Longevity Requirements					10
	10.4	Operational and Environmental Requirements					10
		10.4.1 Expected Physical Environment					10
		10.4.2 Wider Environment Requirements					10
		10.4.3 Requirements for Interfacing with Adjacent Systems					10
		10.4.4 Productization Requirements					10
		10.4.5 Release Requirements					10
		10.4.6 Backwards Compatibility Requirements					10
	10.5	Maintainability and Support Requirements					10
		10.5.1 Maintenance Requirements					10
		10.5.2 Supportability Requirements					11
		10.5.3 Adaptability Requirements					11
	10.6	Security Requirements					11
		10.6.1 Access Requirements					11
		10.6.2 Integrity Requirements					11
		10.6.3 Privacy Requirements					11

		10.6.4 Audit Requirements	11
		10.6.5 Immunity Requirements	11
	10.7	Cultural Requirements	11
		10.7.1 Cultural Requirements	11
	10.8	Compliance Requirements	11
		10.8.1 Legal Compliance Requirements	12
		10.8.2 Standards Compliance Requirements	12
11	Pro	ject Issues	12
	11.1	Open Issues	12
	11.2	Off-the-Shelf Solutions	12
		11.2.1 Ready-Made Products	12
		11.2.2 Reusable Components	12
			12
	11.3		12
		11.3.1 Effects on the Current Environment	12
			12
			13
		11.3.4 Limitations in the Anticipated Implementation Environment That May	
		Inhibit the New Product	13
		11.3.5 Follow-Up Problems	13
	11.4		13
			13
			13
	11.5		13
			13
		11.5.2 Data That Has to Be Modified or Translated for the New Product	13
	11.6	Risks	13
	11.7	Costs	13
			14
			14
			14
	11.9	<u> </u>	14
			14

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
Oct $5/22$	0.3	Adding Section 2

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

2.1 The Client

The clients for Flick Picker are Dr. Spencer Smith and the Teaching Assistants of 4G06, who will be responsible for a few key milestones in the development process. The client will be responsible for project approval, including, but not limited to, the approval of the general idea, scope, and complexity. Additionally, the client will also provide feedback throughout the development on various deliverables.

2.2 The Customer

The customers for Flick Picker are individuals who watch movies, tv shows, or anime as an individual or a group who wish to find catered recommendations.

2.3 Other Stakeholders

The members of 7eam are other stakeholders falling under the categories of:

• Designers and Developers

- Testers
- Systems Engineers
- Technology Experts
- System Designers
- Usability Experts

2.4 The Hands-On Users of the Product

The hands-on users of the product are the same as listed under the customer section.

Individual Watchers

The individual watcher is a user who will simply input their preference settings and then browse the movies, tv shows, or anime that fit the preferences.

Group Watchers

Group watchers also input their personal preferences. Additionally, they must also create a group and add the other members. With the group created, members can browse the movies, tv shows, or anime that best fit the combined preferences of the group.

2.5 Personas

N/A

2.6 Priorities Assigned to Users

N/A

2.7 User Participation

N/A

2.8 Maintenance Users and Service Technicians

N/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
- 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

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

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:

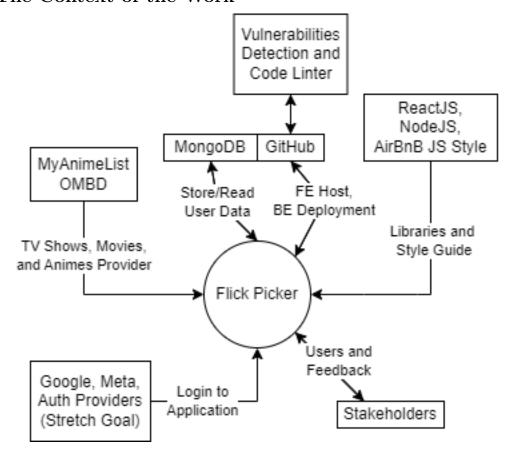
- Flick Picker will not provide a means to watch the selected show directly through the application
- Flick Picker will suggest the best movie, tv show, or anime for the group. This may violate the preferences of a member or multiple members of the group.
- The browser on which the application is used, 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	TV Show, Movie, and Anime	Collect information about
are polled	Data (in)	the shows to display to users
MongoDB data is up-	User data updated (out)	Any updates to user data are
dated		stored
MongoDB data is	User data retrieved (in)	Fetches everything needed
queried		for the user after login
Code is updated	GitHub redeploys new changes	Updates the FE or BE de-
	(in/out)	ployment any time there is a
		merge to server
Deprecated library is	Vulnerability detection blocks	Deployment protection such
used	changes (in)	that libraries are safe to use
Code does not match	AirBnB style guide (in), Linter	Enforces the style guide on
style	updates code (in/out)	FE/BE development
External login is	External authentication validates	Allows users to log in with in-
queried	user (in)	dustry standard authentica-
		tion providers

6.4 Specifying a Business Use Case (BUC)

N/A as summary of BUCs are above.

7 Business Data Model and Data Dictionary

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7.1 Business Data Model

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7.2 Data Dictionary

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8 The Scope of the Product

8.1 **Product Boundary** a Product Use Case Table 8.2 a 8.3 Individual Product Use Cases a 9 Functional Requirements a **Functional Requirements** 9.1a Non-Functional Requirements 10 a Look and Feel Requirements 10.1a Appearance Requirements a Style Requirements 10.1.2a Usability and Humanity Requirements 10.2 a

Ease of Use Requirements

10.2.1

10.2.2	Personalization and Internationalization Requirements
a	
10.2.3	Learning Requirements
a	
10.2.4	Understandability and Politeness Requirements
a	
10.2.5	Accessibility Requirements
a	
10.2.6	Convenience Requirements
a	
10.3	Performance Requirements
a	•
10.3.1	Speed and Latency Requirements
a	
10.3.2	Safety-Critical Requirements
a	•
10.3.3	Precision or Accuracy Requirements
a	
10.3.4	Reliability and Availability Requirements
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10.3.5	Robustness or Fault-Tolerance Requirements
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10.3.6 a	Capacity Requirements

10.3.7	Scalability or Extensibility Requirements
10.3.8	Longevity Requirements
10.4	Operational and Environmental Requirements
10.4.1	Expected Physical Environment
10.4.2	Wider Environment Requirements
10.4.3	Requirements for Interfacing with Adjacent Systems
10.4.4 a	Productization Requirements
10.4.5	Release Requirements
10.4.6	Backwards Compatibility Requirements
10.5	Maintainability and Support Requirements
10.5.1	Maintenance Requirements

a	Supportability Requirements
10.5.3 a	Adaptability Requirements
10.6	Security Requirements
10.6.1 a	Access Requirements
10.6.2 a	Integrity Requirements
10.6.3	Privacy Requirements
10.6.4 a	Audit Requirements
10.6.5 a	Immunity Requirements
10.7	Cultural Requirements
10.7.1 a	Cultural Requirements
10.8	Compliance Requirements

10.8.1 Legal Compliance Requirements a 10.8.2**Standards Compliance Requirements** a 11 **Project Issues** a Open Issues 11.1 a Off-the-Shelf Solutions 11.2 a 11.2.1 Ready-Made Products a 11.2.2Reusable Components a 11.2.3 Products That Can Be Copied New Problems 11.3 a Effects on the Current Environment a Effects on the Installed Systems 11.3.2

11.3.3	Potential User Problems
a	
11.3.4	Limitations in the Anticipated Implementation Environment That May Inhibit the New Product
a	
11.3.5 a	Follow-Up Problems
a	
11.4 a	Tasks
11.4.1	Project Planning
a	
11.4.2 a	Planning of the Development Phases
11.5	Migration to the New Product
a	
11.5.1 a	Requirements for Migration to the New Product
11.5.2	Data That Has to Be Modified or Translated for the New Product
a	
11.6	Risks
a	
11.7	Costs
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11.8 User Documentation and Training

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11.8.1 User Documentation Requirements

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11.8.2 Training Requirements

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11.9 Waiting Room

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11.10 Ideas for Solutions