GroupThink

Project Vision Document

Version 1

10/1/2017

Revision History

Revision	Date	Author	Reviewed By	Summary of Changes
1	October, 1, 2017	Samuel Benoit	Delfin Alvin Santiago, Thomas Ian Del Rosario, Darren Lung, John Yang, Ihsaan Yogarasa	- Sectioned document by project subsystems. - Provided subsystem sections with Stakeholder Summary, User Summary, Stakeholder Requirements, and System Features - Completed data entries for all subsections of each subsystems section.

Document Approval List

Version	Approved By	Signature	Date

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Table of Contents

1   Introduction

The GroupThink project is a large and complicated information system. With one centralized database, the delivered system will be composed of four subsystems. Each subsystem solves a separate problem. Several subsystems are dependent on the existence of another subsystem.

1.1   Purpose

The purpose of this document is to provide stakeholders of this project with a clear vision of what this project is to achieve. Throughout the project life cycle stakeholders will refer back to this document for guidance. This document will resolve any discrepancies between stakeholders with concern to the project deliverables.

1.2   Subsystems: Introduction & Identification

The information system described in this project vision is composed of four subsystems. Throughout this document, select sections may be divided into four subsections. Each subsection will represent one of the four subsystems.

The four subsystems are identified as the User Subsystem, Client Subsystem, Customer Representative Subsystem, and the Business Administrator Subsystem. Each subsystem and their representation in relation to this project are explained in the following sections.

1.3   Scope

The project scope provides a high-level summary of the information system. An individual scope statement has been created for each subsystem. Subsystem scope statements contain both a project scope statement and a product scope statement.

Refer to the subsystem's corresponding section in this document, for the subsystem's Stakeholder Summary, User Summary, Stakeholder Requirements, and System Features.

1.3.1   In Scope

1.3.1.1   *User Subsystem*

1.3.1.1.1   Product Scope

The User Subsystem has one user type. Identified as 'user' a user is an individual using a user account to communicate with other users and access user generated content through the User Subsystem. A user is able to access the subsystem through a IOS or Android device.

A user may authenticate through the native mobile platform. Authenticated accounts are to be saved as permanent session on the device until the user manually logs out of or deleted the application of the device. Authenticated users may access their account information. An authenticated device will perform actions as the authenticated user.

Users can generate a decision poll to communicate with other users. A decision poll contains a question or statement which defines the user dilemma. Outcomes of this dilemma are included as 'choices'.

Other users can vote on these choices. The user who generated can view these choice votes as other users vote. Polls may include up to three choices. A choice may be an image, GIF, or text.

Decision polls are organized into 'groups'. Groups have a name. This name describes the groups content. If the name is 'relationship', the relationship group contains decisions polls regards to relationships. Users can subscribe to a group.

Users may subscribe to a group. Decision polls created under a particular group that the user subscribes to will appear in the users feed. A user can unsubscribe from a group.

When voting on a decision poll a user may choose to message the user who created the poll. Messaging another user will create a conversation between the two users.

When performing actions within the application a user is rewarded with points. A badge & points system is required to reward users for using the application. Badges are rewarded when a user completes a certain task. Points are given when the user votes & creates decision polls.

Once a user has made a decision, a user can return to their poll and select which choice they made. Users who voted for the choice the user made will be rewarded points. These points go towards their user score and profile badges.

1.3.1.1.2   Project Scope

The User Subsystem is composed of a mobile application and a network of User servers. A User Server connects to the centralized database. The centralized database falls under the information system but is independent of the User Subsystem. The centralized database is not included in the User Subsystem for this reason.

The User Subsystem must be accessible through a mobile device. Native applications for both IOS and Android devices is required. Both native devices will be capable of performing the same functions. The native applications will be distributed by the Google Play Store and IOS App Store.

Native mobile applications will use web requests to communicate with the User Subsystem servers. The servers must be fast, cost effective and scalable. These servers will communicate with both the users and the centralized database.

A network of servers will be required to respond to user requests. This network of servers will be cloud servers. A cloud server provider will be chosen to provide the servers and third-party applications for server load balancing, monitoring, throttling, etc.

1.3.1.2   Client Subsystem

1.3.1.2.1   Product Scope

The Client Subsystem enables clients to advertise to users in the User Subsystem. A client is a business customer of GroupThink. Clients can use the Client Subsystem to create advertisement campaigns to advertise within the User Subsystem. An advertisement campaign can include both sponsored decision polls.

Client authentication through the Client Subsystem is limited to timed sessions. A session will end after a client is no longer making requests to the server for a certain period of time.

A sponsored decision poll is designed to be interactive. Sponsored decision polls are similar to user generated decision polls. These Client Decision Polls are clearly marked as sponsored and display a statement with choices. The content of a sponsored decision poll is at the discretion of the client. All sponsored decision polls are subject to GroupThink content policies and can be removed by GroupThink at any time.

Standard ads consist of images, GIFs, and videos.

Advertisement campaigns are focused on user impressions and user click through. A client may define the duration of the advertisement campaign. Create ads to be displayed. Then the client may decide how many impressions they wish to receive. Clients will be charged depending on the number of impression their advertisement campaign receives.

1.3.1.2.2   Project Scope

The Client Subsystem is composed of a web application and a network of Client Severs. The Client Subsystem connect to the centralized database. The centralized database falls under the information system but is independent of the Client Subsystem.

The Client Subsystem must be accessible through a web browser. The web content must be responsive to fit different browser sizes. The web application of the client subsystem is to be found by a Client in a GroupThink subdomain. The subdomain address is dedicated to the client subsystem.

A network of client subsystem servers will be required to respond to client requests. This network of servers will be cloud servers. A cloud server provider will be chosen to provide the servers and third-party applications for server load balancing, monitoring, throttling, etc.

1.3.1.3   Customer Service Representative Subsystem

Please Note: This section contains acronyms defined in section 1.4.

1.3.1.3.1   Product Scope

A Customer Service Representative communicates with clients on behalf of GroupThink. The Customer Service Representative Subsystem must provide a Customer Service Representative tools to enable them to assist Client.

While assisting a Client a CSR may need to perform several complex actions. The CSR Subsystem will allow a CSR to edit all account information of a client. All Client generated content will be viewable and editable by a CSR while assisting a Client. When in contact with a client, a CSR will be able to assist them with any technical questions about using the Client Subsystem.

A Customer Service Representative will investigate abuse reports. A user may report an advertisement, user, or decision poll that they believe violates GroupThink's content policy. A CSR will review the report and take action. The action which they take will depend on GroupThink's policies.

1.3.1.3.2   Project Scope

The Customer Service Representative Subsystem is composed of a web application and a network of Customer Service Representative Servers. The Customer Service Representative Subsystem connects to the information systems centralized database. The centralized database falls under the information system but is independent of the Customer Service Representative Subsystem.

The CSR Subsystem must be accessible through a web browser. The web content must be responsive to fit different browser sizes. The web application of the CSR Subsystem is to be found by a CSR in a GroupThink subdomain. The subdomain address is dedicated to the CSR subsystem.

A network of BA subsystem servers will be required to respond to client requests. This network of servers will be cloud servers. A cloud server provider will be chosen to provide the servers and third-party applications for server load balancing, monitoring, throttling, etc.

1.3.1.4   Business Administration Subsystem

Please Note: This section contains acronyms defined in section 1.4.

1.3.1.4.1   Product Scope

The Business Administration Subsystem will monitor all the information system business processes and collect data about the information system's data. The Business Administration information system is accessible by a Business Administrator.

The BAS will be provided information on a customer service representative. This information will include information on their activity, account reviewed, past client servicing's, etc.

A BA will be able to access reports on users, clients, and Customer Service Representatives. An individual report will be visible for each of these stakeholders.

A BA will create and monitor Customer Service Representative accounts.

1.3.1.4.2   Project Scope

The Business Administrator Subsystem is composed of a web application and a network of Business Administrator Servers. The Business Administrator Subsystem connects to the information systems centralized database. The centralized database falls under the information system but is independent of the Business Administrator Subsystem.

The BA Subsystem must be accessible through a web browser. The web content must be responsive to fit different browser sizes. The web application of the BA Subsystem is to be found by a BA in a GroupThink subdomain. The subdomain address is dedicated to the BA subsystem.

A network of BA subsystem servers will be required to respond to client requests. This network of servers will be cloud servers. A cloud server provider will be chosen to provide the servers and third-party applications for server load balancing, monitoring, throttling, etc.

1.4   Definitions, Acronyms, and Abbreviations

Acronyms:

Acronym	Definition
CSR	Customer Service Representative
BA	Business Administrator
CSRS	Customer Service Representative Subsystem
BAS	Business Administrator Subsystem

1.5   References

<This subsection provides a complete list of all documents referenced elsewhere in the Project Vision. Identify each document by title, report number if applicable, date, and publishing organization. Specify the sources from which the references can be obtained. This information may be provided by reference to an appendix or to another document>

Reference File Name	Version	Description

2   Positioning

2.1   Business Opportunity

Individual decision making it done with consideration of others options and often with the input of other opinions. Gathering other opinions and ideas of others through interactive and engaging native applications is the purpose of the information system. With an engaged online community using GroupThink, collecting market data and utilizing this data to present engaging advertisements to these users is the business opportunity.

2.2   Problem Statement

< Provide a statement summarizing the problem being solved by this project. The following format may be used>

The Problem of	Individuals decision making.
affects	The individual making the decision and others effected by the decision.
the impact of which is	Loss of time, Frustration, lack of social interaction.
a successful solution would be	Less time use to make decisions, enjoyable social interaction, gathering input from others

Table 1 Problem Statement

2.3   Product Position Statement

< A product position statement communicates the intent of the application and the importance of the project to all concerned personnel >

For	A user
Who	Wants to make decisions socially.
The User App	is an information system
That	Helps users make decisions socially.
Unlike	Swell Yeah
Our product	Focuses on communication through social input and user experience

Table 2 Product Position Statement

3   User Subsystem

3.1   Stakeholder Summary

< There are a number of stakeholders with an interest in the development and not all of them are end users. Describe and list the project stakeholders>

Stakeholder Name	Represents	Role
Developer	Internal Stakeholder.	Responsible for building the developing & maintaining the information system.
Team Lead	Internal Stakeholder.	Monitor project progress. Guide project direction. Assist developers.
User	Hidden stakeholder.	End user who will actively use the subsystem.

Table 3 Stakeholder Summary

3.2   User Summary

< Present a summary list of all identified users of the system >

User Name	Description	Responsibilities	Stakeholder
Samuel Benoit	Team Lead of the development team.	- Coordinate work - Assist Developers - Monitor project progress. - Represent team and project.	Team Lead
Darren Lung, Ihsaan Yogarasa, John Yang, Alvin Santiago	Junior Developer responsible for building system features.	- Build react native UI components. - Build system features	Developer
Samuel Benoit, Thomas Ian Del Rosario, Darren Lung	Junior Developer responsible for building system features.	- Build business logic components - Build information data storage components.	Developer

Table 4 User Summary

3.3 Stakeholder Requirements

< Categorize and list the requirements from the perspective of the business stakeholder and potential system users >

ID	Requirement	Stakeholder
1	User must be able to create, edit, view, delete account.	User
2	User must be able to create, edit, view, and delete decision poll.	User
3	User must be able to confirm choice for a decision poll they created.	User
4	User must be able to receive points for interacting with the User Subsystem.	User
5	User must be able to be able to unlock certain badges for completing certain actions in the User Subsystem.	User
6	User must be able to send a message to another user in the User Subsystem.	User
7	User must be able to view and leave a conversation they have with another user.	User
8	A User must be able to view another user's decision poll.	User
9	A User must be able to vote on a decision poll.	User
10	A User must be able to add a choice to a decision poll.	User
11	A User must be able to report a decision poll they believe violates GroupThink's content policy.	User
12	User must receive notification when another use votes on their poll.	User
13	User must receive a notification when a user sends them a message and a user receives a message from a conversation they are involved in.	User
14	User must be able to block another user.	User

ID	Requirement	Stakeholder
15	User must be able to report a user.	User
16	User must be able to report a decision poll.	User
17	User must be able to report a sponsored decision poll.	User

Table 5 Stakeholder Requirements

3.4   System Features

< List and briefly describe the system features. Features are the high-level capabilities of the system that are necessary to deliver benefits to the users. Avoid design. Keep feature descriptions at a general level. Focus on capabilities needed and why (not how)   they should be implemented >

ID	Feature	Stakeholder Requirement ID
1	Authentication system so a user can access account details and content created by them.	1
2	Feature to create, retrieve, update, and destroy decision polls associated with a user. With the purpose of allowing a user to share their decision polls with other users.	2
3	Feature to allow a user to edit their decision poll. To confirm which decision a user made. This will allow other users to receive points for choosing the right choice.	3
4	Feature that tracks user activity to reward points when they perform certain actions.	4
5	Feature that tracks user activity and rewards badges when a user performs a certain action.	5
6	Feature that allows users to communicate through messages in the User Subsystem. To promote a social experience within the User Subsystem.	6
7	Feature that allows a user to easily view a conversation	7

ID	Feature	Stakeholder Requirement ID
	they have with a user and end the association they have with the conversation. As the create a safe environment where a user does not feel forced into a conversation.	
8	Feature to allow a user to view a decision poll. This is so the user can view a decision poll they want to perform actions on.	8
9	Feature the allow a user to vote on a decision. Voting allows users to help other users decide.	10
10	Feature that allows a user to append their own choice to another user's decision poll. This allows users to provide new input on decision polls that may not already exist.	11
11	Feature that allows a user to report a decision poll. This allows users to help keep user generated content in compliance with GroupThink's content policy.	11
12	Feature that notifies a user's mobile device when another user votes on their poll. This allows them to view votes as they happen.	12
13	Feature that notifies the users mobile device when they receive a message. This prevents delay between messages and makes conversations more engaging.	13
14	Feature that allows a user to manage their blocked users. This allows users to avoid users who may be a nuisance.	14
15	Feature that allows a user to report another user to GroupThink. Reporting a user allows GroupThink to verify that a reported user is not violating community rules.	15
16	A feature that allows a user to	16

ID	Feature	Stakeholder Requirement ID
	report a decision poll. Reporting a decision poll allows GroupThink to verify that a reported decision poll is not violating GroupThink's content policy.	
17	A feature that allows a user to report a sponsored decision poll. Reporting a sponsored decision poll allows GroupThink to verify that a reported sponsored decision poll is not violating GroupThink's advertisement content policy.	17

Table 6 System Features

4   Client Subsystem

4.1   Stakeholder Summary

< There are a number of stakeholders with an interest in the development and not all of them are end users. Describe and list the project stakeholders>

Stakeholder Name	Represents	Role
Developer	Internal Stakeholder.	Responsible for building the developing & maintaining the Client Subsystem.
Team Lead	Internal Stakeholder.	Monitor project progress. Guide project direction. Assist developers.
Client	Hidden stakeholder.	End user who will actively use the subsystem.

Table 7 Stakeholder Summary

4.2   User Summary

< Present a summary list of all identified users of the system >

User Name	Description	Responsibilities	Stakeholder
Samuel Benoit	Team Lead of the development team.	- Coordinate work - Assist Developers - Monitor project progress. - Represent team and project.	Team Lead
Darren Lung, Ihsaan Yogarasa, John Yang, Alvin Santiago	Junior Developer responsible for building system features.	- Build react UI components. - Build system features	Developer
Samuel Benoit, Thomas Ian Del Rosario, Darren Lung	Junior Developer responsible for building system features.	- Build business logic components - Build information data storage components.	Developer

Table 8 User Summary

4.3   Stakeholder Requirements

< Categorize and list the requirements from the perspective of the business stakeholder and potential system users >

ID	Requirement	Stakeholder
1	Client must be able to create, edit, and destroy their account.	Client
2	Client must be able to create an advertisement campaign.	Client
3	Client must be able to edit their advertisement campaigns.	Client
4	Client must be able to destroy their advertisement campaign.	Client
5	Client must be able to view/monitor their advertisement campaign.	Client
6	Client must be able to pay for advertisement campaign.	Client
7	Client must be able to view invoices for advertisement campaigns.	Client
8	Client must be able to update payment information for advertisement campaign.	Client
9	Client must be able to remove payment information for advertisement campaign.	Client

Table 9 Stakeholder Requirements

4.4 System Features

< List and briefly describe the system features. Features are the high-level capabilities of the system that are necessary to deliver benefits to the users. Avoid design. Keep feature descriptions at a general level. Focus on capabilities needed and why (not how)   they should be implemented >

ID	Feature	Stakeholder Requirement ID
1	Authentication Feature that allows a Client access, edit, and destroy their own content.	1
2	Feature that allows a Client to create an ad campaign so they may pay to advertise within the User Subsystem.	2
3	Feature that allows a Client to edit their ad campaign. A Client may edit their campaign instead of creating a new one.	
4	Feature that allows a client to archive their campaign. A Client may access an archived campaign at any time and begin it again.	4
5	Feature that allows a Client to view/monitor their advertisement campaign. A Client will be able to view the reach of their campaign with quantifiable data regarding using to advertisement interaction.	5
6	Feature allows a user to pay for their advertisement campaign. An advertisement campaign is priced by user impression where a company pays per impression.	6
7	Feature that allows a Client to view invoices/payments for an advertisement campaign made under their account.	7
8	Feature that allows a Client to keep a record of payment types they may use to pay for their advertisement campaigns.	8
9	Feature that allows a Client to remove a payment method from their account.	9

Table 10 System Features

5   Customer Service Representative Subsystem

5.1   Stakeholder Summary

< There are a number of stakeholders with an interest in the development and not all of them are end users. Describe and list the project stakeholders>

Stakeholder Name	Represents	Role
Developer	Internal Stakeholder.	Responsible for building the developing & maintaining the Client Subsystem.
Team Lead	Internal Stakeholder.	Monitor project progress. Guide project direction. Assist developers.
Customer Service Representative or CSR	Hidden stakeholder.	End user who will actively use the subsystem.

Table 11 Stakeholder Summary

5.2   User Summary

< Present a summary list of all identified users of the system >

User Name	Description	Responsibilities	Stakeholder
Samuel Benoit	Team Lead of the development team.	- Coordinate work - Assist Developers - Monitor project progress. - Represent team and project.	Team Lead
Darren Lung, Ihsaan Yogarasa, John Yang, Alvin Santiago	Junior Developer responsible for building system features.	- Build react UI components. - Build system features	Developer
Samuel Benoit, Thomas Ian Del Rosario, Darren Lung	Junior Developer responsible for building system features.	- Build business logic components - Build information data storage components.	Developer

Table 12 User Summary

5.3   Stakeholder Requirements

< Categorize and list the requirements from the perspective of the business stakeholder and potential system users >

ID	Requirement	Stakeholder
1	CSR must be able to access their account.	CSR
2	CSR must be able to edit their account details.	CSR
3	CSR must be able to access a client's account information.	CSR
4	CSR must be able to edit client account details.	CSR
5	CSR must be able to access a client's advertisement campaign details.	CSR
6	CSR must be able to edit a client's advertisement campaign.	CSR
7	CSR must be able to view reported users.	CSR
8	CSR must able to access a user's decision polls.	CSR
9	CSR must be able to suspend a user's account.	CSR
10	CSR must be able to message a user.	CSR
11	CSR must be able to view a reported a decision poll.	CSR
12	CSR must be able to view a reported sponsored decision poll.	CSR
13	CSR must be able to remove and content that violates a GroupThink policy.	CSR

Table 13 Stakeholder Requirements

5.4   System Features

< List and briefly describe the system features. Features are the high-level capabilities of the system that are necessary to deliver benefits to the users. Avoid design. Keep feature descriptions at a general level. Focus on capabilities needed and why (not how)   they should be implemented >

ID	Feature	Stakeholder Requirement ID
1	Feature that allows a CSR to access their account.	1
2	Feature that allows a CSR to edit their account information.	2
3	Feature that allows a CSR to access a client's account information.	3
4	Feature that allows a CSR to edit a client's account details.	4
5	Feature that allows a CSR to access a client's advertisement campaign. To solve a technical problem of assist a client in editing their campaign.	5
6	A Feature that allows a CSR to update a client's advertisement campaign. When assisting a client a CSR must be able to make adjustments to a client's advertisement campaign.	6
7	A feature that allows a CSR to view a reported user. If a CSR is to investigate a reported user. The CSR must be able to view the user details to properly investigate the reporting.	7
8	A feature that allows a CSR to view a user's decision polls. While investigating an abuse report a CSR must be able to inspect all content generated by the user.	8
9	A feature that allows a CSR to suspend a user account if any content generated by the user violates GroupThink's content policy.	9
10	A feature that allows a user to a CSR to message a user. If a	10

ID	Feature	Stakeholder Requirement ID
	user has violated any GroupThink policies the CSR will contact the user and explain what action is being taken by the CSR and how the user will be affected.	
11	A feature that allows CSR to view a reported decision poll. To determine if a decision poll violates any GroupThink policies.	11
12	A feature that allows CSR to view a reported sponsored decision poll. To determine if a sponsored decision poll violates any GroupThink policies.	12
13	A feature that allows a CSR to remove any content that violates a GroupThink policy. To create a safe community, the CSR must be able ot immediately remove any content that violates a GroupThink policy.	13

Table 14 System Features

6   Business Administration Subsystem

6.1   Stakeholder Summary

< There are a number of stakeholders with an interest in the development and not all of them are end users. Describe and list the project stakeholders>

Stakeholder Name	Represents	Role
Developer	Internal Stakeholder.	Responsible for building the developing & maintaining the information system.
Team Lead	Internal Stakeholder.	Monitor project progress. Guide project direction. Assist developers.
User	Hidden stakeholder.	End user who will actively use the subsystem.

Table 15 Stakeholder Summary

6.2   User Summary

< Present a summary list of all identified users of the system >

User Name	Description	Responsibilities	Stakeholder
Samuel Benoit	Team Lead of the development team.	- Coordinate work - Assist Developers - Monitor project progress. - Represent team and project.	Team Lead
Darren Lung, Ihsaan Yogarasa, John Yang, Alvin Santiago	Junior Developer responsible for building system features.	- Build react UI components. - Build system features	Developer
Samuel Benoit, Thomas Ian Del Rosario, Darren Lung	Junior Developer responsible for building system features.	- Build business logic components - Build information data storage components.	Developer

Table 16 User Summary

6.3   Stakeholder Requirements

< Categorize and list the requirements from the perspective of the business stakeholder and potential system users >

ID	Requirement	Stakeholder
1	Create account for CSR.	Business Administrator
2	Edit account information of CSR.	Business Administrator
3	Destroy CSR Account.	Business Administrator
4	View CSR account statistics.	Business Administrator
5	View statistics/analytics of relevant information system data.	Business Administrator

Table 17 Stakeholder Requirements

6.4   System Features

< List and briefly describe the system features. Features are the high-level capabilities of the system that are necessary to deliver benefits to the users. Avoid design. Keep feature descriptions at a general level. Focus on capabilities needed and why (not how)   they should be implemented >

ID	Feature	Stakeholder Requirement ID
1	Feature that allows a Business Administrator to create an account that a CSR may use. This allows to Business Administrator to have control over who can access the CSR Subsystem.	1
2	Feature that allows a Business Administrator to edit the account information of a CSR. Gives the Business Administrator control over the authentication of the CSR Subsystem.	2
3	Feature that allows a Business Administrator to destroy a CSR account. Allows a Business Administrator control over the authentication system.	3

ID	Feature	Stakeholder Requirement ID
4	Feature that allows a Business Administrator to view a CSR account's statistics. Information about the CSR account usage. Such information as reports investigated, reports resolved, clients assisted.	4
5	Feature that allows a Business Administrator to access information system statistics. Information such as active daily user, advertisement impressions, and server downtimes.	5

Table 18 System Features

7   Assumptions

It is assumed that all members of the project will deliver completed work of a high standard when requested. It is also assumed that the technologies chosen to build the project will be capable of producing this project.

8   Constraints

Time is a constraint placed upon this project. Building four subsystems may take more time than expected. Although it seems that the entire project will be completed. Certain features/requirements have been placed as low priority to allow for project completion by the project delivery date. Please refer to the high level requirements document for information on project requirements and there priority.