System and Software Architecture Description (SSAD)

Discovery Tool

Team 3

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Version History

Date	Author	Version	Changes made	Rationale
10/20/18	FZ	1.0	Initial draft	Initial draft for Discovery Tool SSAD
10/21/18	XD	1.1	Fixed formatting	Reviewed and small fixes for DC package
10/21/18	ST, JH	1.2	System Analysis (Content contributor dashboard page)	Need further work on remaining part
10/22/18	FZ	1.3	Update 4.1	Documentation increments
10/22/18	GL	1.4	Increments to 2.1.3	Documentation increments
10/22/18	FZ	1.5	Update 2.1.2, 4.1.2	Documentation increments
11/25/18	XD	2.0	Updated section 2-5	Revised per client meeting and CCD feedback
11/28/18	ST,JH	2.1	Updated figures 1,2,3,4,7,9,10,11,12,13,14,15, 20,21,22,23,24,25,26	Revised figures

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System and Software Architecture Description

5. Architectural Styles, Patterns and Frameworks

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1. Introduction

1.1 Purpose of the SSAD

SSAD provides a number of benefits for discovery-tool:

- It gives a basis for analysis of software system's behavior before the system has been built. With this documentation, team will have better understanding of the project requirements.
- It provides a basis for re-use of elements and decisions. With this documentation, the team should have the sense of which component could be reused in the future so that we could build a more extensible framework. For example, what if we add more types of the content rather than only pitches?
- It supports early design decisions that impact a system's development, deployment, and maintenance.
- It facilitates communication with stakeholders, contributing to a system that better fulfills their
 needs. With this documentation, team will have better idea about how to build a system that every
 member could do contribution to it. For example, with better organization, each member could be
 one or several API's owner in our Flask framework, and our backend system is consists of all of
 these APIs.
- It enables <u>cost reduction</u>. Software architecture is a means to manage risk and costs in complex IT projects.

1.2 Status of the SSAD

System Analysis Overview, System Analysis Rationale, Design Overview and Design Rationale have been added. This is the version 2.0 release of SSAD for Fall 2018 DC package deliverables.

2. System Analysis

2.1 System Analysis Overview

Discovery Tool is a web app based idea management system. It serves as an internal tool to System1. It provides a solution to help System1 content contributors and admins to streamline, manage, accelerate their workflow. It gives the admins necessary tooling to quickly scale the team as well as content production. Overall, the system supports the team to work cross-functionally, leveraging resources to meet needs as efficiently as possible.

2.1.1 System Context

Figure 1: System Context Diagram

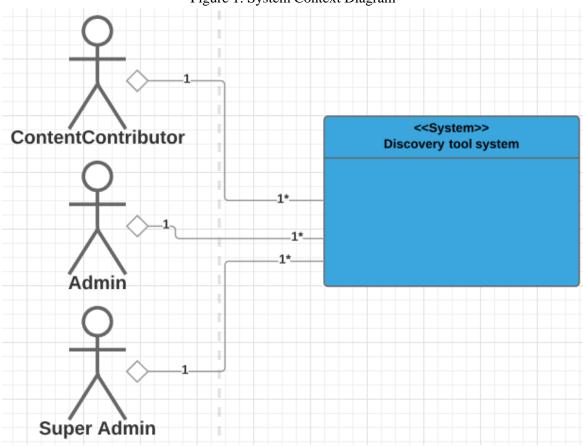


Table 1: Actors Summary

Actor	Description	Responsibilities
Content contributor	User who draft ideas and pitch ideas	 Draft pitches and submit for approval
Content Admin	User who review and approve pitches, and manage user accounts	Manage user accountsManage pitches
Super Admin	User who review and approve pitches, manage user accounts, set weekly goals, and review publishing calendar	 Manage user accounts Manage pitches Set goals Manage publishing calendar

2.1.2 Artifacts & Information

Figure 2: Artifacts and Information Diagram

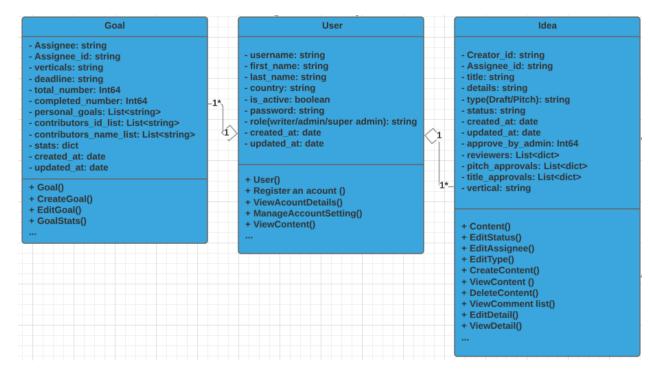


Table 2: Artifacts and Information Summary

Class	Purpose
User	User is the object who is going to use the system. It is the fundamental artifacts of the system.
Idea	Idea is the object that is used by users. It is the fundamental artifacts of the system.
Goal	Goal is defined by the super admin to trace the progress weekly

2.1.3 Behavior

Figure 3: Process Diagram - admin and super admin

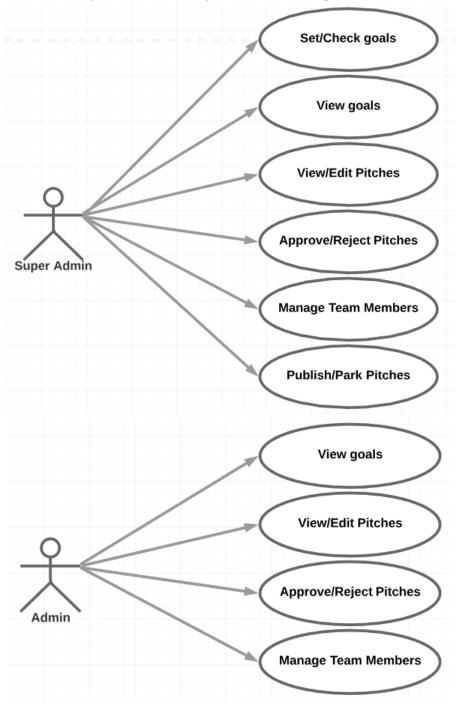


Figure 4: Process Diagram - content contributor

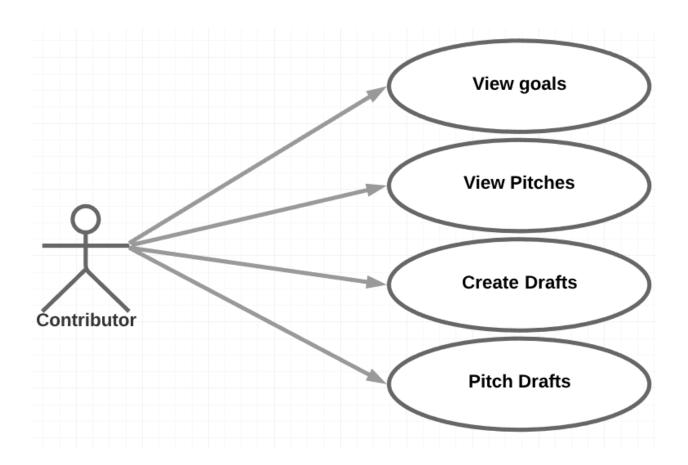


Table 3: Use Case List

Use Case ID	Use Case Name	Description	
Login page			
UC-1	Login	User logs into the system with a username and password	
Content cont	Content contributor dashboard page		
UC-2	View current week goals and progress	Contributor can view overall project progress, current week goal, verticals in work. For each vertical, show number of draft, number of pitches submitted, number of pitches approved/parked/rejected.	
UC-3	View past week goals	Contributor can view goals made in past weeks	
UC-4	View future week goals	Contributor can view goals set for future weeks	
UC-5 DEFERRED	Receive notifications	Contributor can receive notifications as a piece of content moves through the various stages of development (approved, rejected,	

		parked)	
UC-6 DEFERRED	Send message	Contributor can send a message to a specific user	
UC-7 DEFERRED	Receive message	Contributor can receive message from other users	
UC-8 DEFERRED	View content success rates by draft to approved pitch conversion ratio	Contributor can track his/her own success rate by the draft to approved pitch conversion ratio	
UC-9	Logout	Contributor logs out of the system and ends their current session	
Content cont	ributor draft board pa	ge	
UC-10	Create a draft	Contributor can create a new draft and add details	
UC-11 DEFERRED	Edit a draft	Contributor can modify a draft	
UC-12 DEFERRED	Delete a draft	Contributor can remove a draft	
UC-13 DEFERRED	View a draft	Contributor can view a draft's details: draft ID, title, vertical, creator ID, time created, last time modified, details(description, URL, buyside network), status(new, approved, rejected, parked), log(contributor X modified at 11:30pm 11-10-18)	
UC-14	Pitch a draft	When a contributor thinks this draft is ready, he/she can click the "pitch it" button to publish this draft to the global pitch list. This draft is then removed from this draft board.	
Content cont	ributor global pitch bo	ard page	
UC-15 DEFERRED	View a pitch	Contributor can click on a pitch in the list to view its details: pitch ID, title, vertical, creator ID, time created, last time modified, details(description, URL, buyside network), status(new, approved, rejected, parked), log(contributor X modified at 11:30pm 11-10-18), admin reviews	
UC-16 DEFERRED	Filter pitches by criteria	Contributor can filter pitches by criteria such as status, creator etc	
Content cont	Content contributor setting page		
UC-17	Edit a personal profile	Contributor can make changes to their own profile including address, contact etc	
Super admin	dashboard page		

UC-20	View current week goals and progress	Super admin can view overall project progress, goal verticals, number of pitch needed by each vertical, progress of each vertical (pitch approved / needed). Super admin does not edit goal in dashboard page, it must be done in goals board page
UC-21	View past week goals	Super admin can view goals made in past weeks
UC-22	View future weeks goals	Super admin can view goals set for future weeks
UC-23 DEFERRED	Receive notifications	Super admin can receive notifications as a piece of content moves through the various stages of development (approved, rejected, parked). Super admin will receive notification as a new pitch needs to be reviewed / when weekly deadline approves, weekly publishing calendar needs to be reviewed.
UC-24 DEFERRED	Send message	Super admin can send a message to a specific user
UC-25 DEFERRED	Receive message	Super admin contributor can receive message from other users
UC-26	Logout	Super admin logs out of the system and ends their current session
Super admin	global pitch board pag	ge
UC-27	View/Edit a pitch	Super admin can click on a pitch in the list to view its details: pitch ID, title, vertical, creator ID, time created, last time modified, details(description, URL, buyside network), status(new, approved, rejected, parked), log(contributor X modified at 11:30pm 11-10-18), admin reviews [1][0]. Super admin can edit the pitch in the global pitch board page
UC-28	Approve/reject a pitch	Super admin can click on a pitch, change its status to approved or rejected. If a total number of 2 admin/super admin have different opinions, the status of the pitch is changed to "parked" which is then moved to the parking board, and removed from the pitch board. Rejected pitch is permanently removed from database
UC-29 DEFERRED	Filter pitches by criteria	Super admin can filter pitches by criteria such as status, creator etc
Super admin weekly publishing calendar page		
UC-30	View/Edit a pitch	Super admin can click on a pitch in the list to view its details: pitch ID, title, vertical, creator ID, time created, last time modified, details(description, URL, buyside network), status(new, approved, rejected, parked, which will always be approved), log(contributor X modified at 11:30pm 11-10-18), Super admin can edit the pitch in the Weekly publishing calendar page

UC-31	Approve the publishing calendar	Super admin can make the decision to publish the pitches in the weekly publishing calendar (approved for publish)		
UC-32 DEFERRED	Filter pitches by criteria	Super admin can filter pitches by criteria such as status, creator etc		
UC-33	Export weekly publishing calendar	Super admin can export the weekly publishing calendar into CSV file		
Super admin	parking board page			
UC-34	View/Edit a pitch	Super admin can click on a pitch in the list to view its details: pitch ID, title, vertical, creator ID, time created, last time modified, details(description, URL, buyside network), status(new, approved, rejected, parked, which will always be parked), log(contributor X modified at 11:30pm 11-10-18), Super admin can edit the pitch in the parking board		
UC-35	Pull in parked pitch	If there is not enough pitches in the weekly publishing calendar, the super admin can move some parked pitches into publishing calendar (change parked pitches' status to approved, remove them from parking board, move into publishing calendar)		
Super admin	team board page			
UC-36	View a team member details	Super admin can click on a team member and view his/her information: member name, account type(contributor, admin, super admin), number of draft pitched, number of pitch approved, total weekly number of pitch needed, success rate, details (name, gender, email, phone, address, county, state, country)		
UC-37	Change a team member's type	Super admin can change a team member's type between admin and contributor		
UC-38	Create a new user	Super admin can create a new admin or contributor account		
UC-39	Delete an existing user	Super admin can delete an existing account		
Super admin	Super admin goals board page			
UC-40	Set goals for current week	Super admin can set a list of goals desired for current week, each goal has one desired vertical, and number of pitch needed for that vertical. Once the goal is set, it's given to all contributors but the number of pitch is evenly distributed among the contributors.		
UC-41	Set goals for future weeks	Super admin can set a list of goals desired for future weeks		
UC-42	Check past weeks' goals	Super admin can select a week in history and check its goals		

Super admin setting page			
UC-43	Edit a personal profile	Super admin can make changes to their own profile including address, contact etc	
Admin dashb	oard page		
UC-44	View current week goals and progress	Admin can view overall project progress, goal verticals, number of pitch needed by each vertical, progress of each vertical (pitch approved / needed).	
UC-45	View past week goals	Admin can view goals made in past weeks	
UC-46	View future weeks goals	Admin can view goals set for future weeks	
UC-47 DEFERRED	Receive notifications	Admin can receive notifications as a piece of content moves through the various stages of development (approved, rejected, parked). Admin will receive notification as a new pitch needs to be reviewed	
UC-48 DEFERRED	Send message	Admin can send a message to a specific user	
UC-49 DEFERRED	Receive message	Admin contributor can receive message from other users	
UC-50	Logout	Admin logs out of the system and ends their current session	
Admin global	l pitch board page		
UC-51	View/Edit a pitch	Admin can click on a pitch in the list to view its details: pitch ID, title, vertical, creator ID, time created, last time modified, details(description, URL, buyside network), status(new, approved, rejected, parked), log(contributor X modified at 11:30pm 11-10-18), admin reviews [1][0]. Admin can edit the pitch in the global pitch board page	
UC-52	Approve/reject a pitch	Admin can click on a pitch, change its status to approved or rejected. If a total number of 2 admin/super admin have different opinions, the status of the pitch is changed to "parked" which is then moved to the parking board, and removed from the pitch board. Rejected pitch is permanently removed from database	
UC-53 DEFERRED	Filter pitches by criteria	Admin can filter pitches by criteria such as status, creator etc	
Admin team	Admin team board page		
UC-54	View a team member details	Admin can click on a team member and view his/her information: member name, account type(contributor, admin, super admin), number of draft pitched, number of pitch approved, total weekly number of pitch needed, success rate,	

UC-58	Edit a personal profile	Admin can make changes to their own profile including address, contact etc
Admin setting page		
UC-57	Delete an existing user	Admin can delete an existing account
UC-56	Create a new user	Admin can create a new admin or contributor account
UC-55	Change a team member's type	Admin can change a team member's type between admin and contributor
		details (name, gender, email, phone, address, county, state, country)

2.1.3.1 Login page

Table 3: Process Description - UC-1

Tuble 3. Trocoss Bescription CC 1		
Identifier	UC-1	
Purpose	Log into the user's session	
Requirements	A valid account has been set up	
Development Risks	None	
Pre-conditions	Account registration	
Post-conditions	None	

Table 4: Typical Course of Action - UC-1 success

Seq#	Actor's Action	System's Response
1	Fill in username and password, click "login"	
2		Check user credentials



Table 5: Typical Course of Action - UC-1 failure

Seq#	Actor's Action	System's Response
1	Fill in incorrect username and password, click "login"	
2		Check user credentials
3		Display error message

2.1.3.2 Content contributor dashboard page

Table 6: Process Description - UC-2

	•
Identifier	UC-2
Purpose	Contributor can view overall project progress, current week goal, verticals in work. For each vertical, show number of draft, number of pitches submitted, number of pitches approved/ parked/ rejected.
Requirements	A valid account, user type as "contributor".
Development Risks	None
Pre-conditions	Account logged in
Post-conditions	None

Table 7: Typical Course of Action - UC-2 success

Seq#	Actor's Action	System's Response
1	Users go to contributor dashboard page	
2		Check and show the contributor dashboard page

3	Click on a submitted pitch	
4		Display detail of the pitch

Table 8: Typical Course of Action - UC-2 failure

Seq#	Actor's Action	System's Response
1	Users go to the pitch board	
2		Check the user dashboard page
3		Display error message

Table 9: Process Description - UC-3

Identifier	UC-3
Purpose	Contributor can view goals made in past week
Requirements	A valid account, user type as "contributor"
Development Risks	None
Pre-conditions	Account login, user in contributor dashboard page
Post-conditions	None

Table 10: Typical Course of Action - UC-3 success

Seq#	Actor's Action	System's Response
1	Users be on the dashboard	
2		Show that week's goal

Table 11: Typical Course of Action - UC-3 failure

Seq#	Actor's Action	System's Response
1	Users be on the dashboard	
2		No goals were presented for the desired week

Table 12: Process Description - UC-4

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Identifier	UC-4	
Purpose	Contributor can view goals set for future weeks	
Requirements	Valid contributor account	
Development Risks	None	
Pre-conditions	Account login, user in contributor dashboard page	
Post-conditions	View goal detail of the chosen week	

Table 13: Typical Course of Action - UC-4 success

Seq#	Actor's Action	System's Response
1	Users be on the dashboard	
2		Show that week's goal
3		Display goal verticals and pitch quota

Table 14: Typical Course of Action - UC-4 failure

Seq#	Actor's Action	System's Response

1	Users be on the dashboard	
2		No goals were presented for the desired week

Table 15: Process Description - UC-5

	Table 13. Hocess Description - OC-3
Identifier	UC-5 DEFERRED
Purpose	Contributor can receive notifications as a piece of content moves through the various stages of development (approved, rejected, parked)
Requirements	Valid contributor account
Development Risks	None
Pre-conditions	Account login, user in contributor dashboard page
Post-conditions	None

Table 16: Typical Course of Action - UC-5 success

Seq#	Actor's Action	System's Response
1	User see notification icon with numbers aside of it	
2	User clicks the notification icon	
3		Redirect user to notification page

Table 17: Typical Course of Action - UC-5 failure

Seq#	Actor's Action	System's Response
1	User see notification icon with numbers aside of it	
2	User clicks the notification icon	

3	Fail to redirect user to notification page	
		Ĺ

Table 18: Process Description - UC-6

Tuble 10. 1100000 Description CC 0		
Identifier	UC-6 DEFERRED	
Purpose	Contributor can send a message to a specific user	
Requirements	Valid contributor account	
Development Risks	May lack skill set for integrate messaging functionality	
Pre-conditions	Account login, user in contributor dashboard page	
Post-conditions	Message sent	

Table 19: Typical Course of Action - UC-6 success

Seq#	Actor's Action	System's Response
1	User choose a user	
2	User type a message and send	
3		Forward the message to the chosen user
4		Display message on the chosen user's notification area

Table 20: Typical Course of Action - UC-6 failure

Seq#	Actor's Action	System's Response
1	User choose a user	
2	User type a message and send	

3	Forwarding message failed
4	Display error message

Table 21: Process Description - UC-7

Identifier	UC-7 DEFERRED
Purpose	Contributor can receive message from other users
Requirements	Valid account, user type as "contributor"
Development Risks	None
Pre-conditions	Account login, user in contributor dashboard page
Post-conditions	Message received

Table 22: Typical Course of Action - UC-7 success

Seq#	Actor's Action	System's Response
1	Users move to contributor dashboard page	
2		Show the contributor dashboard page
3	Click on "message box"	
4		Show the list of message received
5	Click on one message to read	
6		Show the message

Table 23: Typical Course of Action - UC-7 failure

Seq#	Actor's Action	System's Response
1	Users move to contributor dashboard page	
2		Show the contributor dashboard page
3	Click on "message box"	
4		Show error info that why message box is unavailable

Table 24: Process Description - UC-8

Identifier	UC-8 DEFERRED
Purpose	Contributor can track his/her own success rate by the draft to approved pitch conversion ratio
Requirements	Valid account, user type as "contributor"
Development Risks	None
Pre-conditions	Account login, user in contributor dashboard page
Post-conditions	None

Table 25: Typical Course of Action - UC-8 success

Seq#	Actor's Action	System's Response
1	User on dashboard page	
2		Show ratio

Table 26: Typical Course of Action - UC-8 failure

Seq#	Actor's Action	System's Response
1	User on dashboard page	
2		Incorrect ratio shown

Table 27: Process Description - UC-9

Table 27.11occss Description - 0c-7		
Identifier	UC-9	
Purpose	Contributor logs out of the system and ends their current session	
Requirements	Valid account, user type as "contributor"	
Development Risks	None	
Pre-conditions	Account login, user in contributor dashboard page	
Post-conditions	Account logged out	

Table 28: Typical Course of Action - UC-9 success

Seq#	Actor's Action	System's Response
1	User click account icon	
2		Show log out option
3	User click on log out button	
4		Log the account out

Table 29: Typical Course of Action - UC-9 failure

Seq#	Actor's Action	System's Response

1	User click account icon	
2		Show log out option
3	User click on log out button	
4		Fail to log out, show error message

2.1.3.3 Content contributor draft board page

Table 30: Process Description - UC-10

Identifier	UC-10
Purpose	Contributor can create a new draft and add details
Requirements	Valid account, user type as "contributor"
Development Risks	None
Pre-conditions	Account login, user in contributor dashboard page
Post-conditions	None

Table 31: Typical Course of Action - UC-10 success

Seq#	Actor's Action	System's Response
1	Users click on draft board on the sidebar	
2		Visit contributor draft board
3	Enter details of the idea, click "Pitch it"	
4		Save the new draft in the draft board and database

Table 32: Typical Course of Action - UC-10 failure

Seq#	Actor's Action	System's Response
1	Users click on draft board on the sidebar	
2		Visit contributor draft board
3	Enter details of the idea without title or vertical, click "Pitch it"	
4		Fail to save the new draft in the draft board and database
5		Pop error message

Table 33: Process Description - UC-11

Identifier	UC-11 DEFERRED
Purpose	Contributor can modify a draft
Requirements	Valid account
Development Risks	None
Pre-conditions	Account login
Post-conditions	None

Table 34: Typical Course of Action - UC-11 success

Seq#	Actor's Action	System's Response
1	User click on the edit button	
2		Bring up the portal for editing this idea

3	User make changes and click "save"	
4		Save changes to database

Table 35: Typical Course of Action - UC-11 failure

Seq#	Actor's Action	System's Response
1	User click on setting menu and then click on log out button	
2		Log out of the system
3		Display error message

Table 36: Process Description - UC-12

Identifier	UC-12 DEFERRED
Purpose	Contributor can remove a draft
Requirements	Valid account
Development Risks	None
Pre-conditions	Account login
Post-conditions	None

Table 37: Typical Course of Action - UC-12 success

Seq#	Actor's Action	System's Response
1	User click on "remove" next to the pitch	

2	Remove the pitch from UI and database	

Table 38: Typical Course of Action - UC-12 failure

Seq#	Actor's Action	System's Response
1	User click on "remove" next to the pitch	
2		Fail to remove the pitch from UI and database
3		Pop error message

Table 39: Process Description - UC-13

Identifier	UC-13 DEFERRED
Purpose	Contributor can view a draft's details: draft ID, title, vertical, creator ID, time created, last time modified, details, status, log
Requirements	Valid account
Development Risks	None
Pre-conditions	Account login
Post-conditions	None

Table 40: Typical Course of Action - UC-13 success

Seq#	Actor's Action	System's Response
1	User click on "detail" button of a pitch in the draft board	

2	Show the draft details portal

Table 41: Typical Course of Action - UC-13 failure

Seq#	Actor's Action	System's Response
1	User click on "detail" button of a pitch in the draft board	
2		Fail to show the draft details portal or shows incorrect details

Table 42: Process Description - UC-14

Identifier	UC-14
Purpose	When a contributor thinks this draft is ready, he/she can click the "pitch it" button to publish this draft to the global pitch list. This draft is then removed from this draft board.
Requirements	Valid account
Development Risks	None
Pre-conditions	Account login
Post-conditions	None

Table 43: Typical Course of Action - UC-14 success

Seq#	Actor's Action	System's Response
1	After populate the entries of a new pitch, click on "pitch it"	
2		Change the status of the pitch to "new", remove it from contributor's draft board, move it into the global pitch board

Table 44: Typical Course of Action - UC-14 failure

Seq#	Actor's Action	System's Response
1	After populate the entries of a new pitch, click on "pitch it"	
2		Fail to change the status of the pitch

2.1.3.4 Content contributor global pitch board page

Table 45: Process Description - UC-15

Table 43. Hocess Description - CC-13		
Identifier	UC-15	
Purpose	Contributor can click on a pitch in the list to view its details: pitch ID, title, vertical, creator ID, time created, last time modified, details, status, log, admin reviews	
Requirements	Valid account	
Development Risks	None	
Pre-conditions	Account login	
Post-conditions	None	

Table 46: Typical Course of Action - UC-15 success

Seq#	Actor's Action	System's Response
1	User click on the "details" button of a pitch in the global pitch board	
2		Bring up the detail portal and show the details of that pitch

Table 47: Typical Course of Action - UC-15 failure

Seq#	Actor's Action	System's Response

1	User click on the "details" button of a pitch in the global pitch board	
2		Fail to show the detail portal or shows incorrect pitch details

Table 48: Process Description - UC-16

Tuble 10.110ccss Description CC 10		
Identifier	UC-16 DEFERRED	
Purpose	Contributor can filter pitches by criteria such as status, creator etc	
Requirements	Valid account	
Development Risks	None	
Pre-conditions	Account login	
Post-conditions	None	

Table 49: Typical Course of Action - UC-16 success

Seq#	Actor's Action	System's Response
1	In the global pitch board, user enter the desired keyword on a column to show matching pitches	
2		Query database and show the filtered pitch list

Table 50: Typical Course of Action - UC-16 failure

Seq#	Actor's Action	System's Response
1	In the global pitch board, user enter the desired keyword on a column to show matching pitches	
2		Fail to query the correct pitches

2.1.3.5 Content contributor setting page

Table 51: Process Description - UC-17

Table 31. Trocess Description - CC-17		
Identifier	UC-17	
Purpose	Contributor can make changes to their own profile including address, contact etc	
Requirements	Valid account	
Development Risks	None	
Pre-conditions	Account login	
Post-conditions	None	

Table 52: Typical Course of Action - UC-17 success

Seq#	Actor's Action	System's Response
1	User click on "settings" on the side bar	
2		Visit setting page, show existing user profile
3	User change desired entries, click "update profile"	
4		Save the new profiles in database

Table 53: Typical Course of Action - UC-17 failure

Seq#	Actor's Action	System's Response
1	User click on "settings" on the side bar	

2		Visit setting page, show existing user profile
3	User change desired entries, click "update profile"	
4		New profile does not save to database properly

2.1.3.6 Super admin dashboard board page

Table 60: Process Description - UC-20

	Tuble 60. Trocess Description 6.6.20
Identifier	UC-20
Purpose	Super admin can view overall project progress, goal verticals, number of pitch needed by each vertical, progress of each vertical (pitch approved / needed). Super admin does not edit goal in dashboard page, it must be done in goals board page
Requirements	Valid account
Development Risks	None
Pre-conditions	Account login
Post-conditions	None

Table 61: Typical Course of Action - UC-20 success

Seq#	Actor's Action	System's Response
1	In the dashboard, the weekly goal KPI and work progress is presented to the user	
2	User choose a specific member in the dropdown list of the work progress section, show that person's progress over a selected month	

3	Query selected person's progress data	

Table 62: Typical Course of Action - UC-20 failure

Seq#	Actor's Action	System's Response
1	In the dashboard, the weekly goal KPI and work progress is presented to the user	
2	User choose a specific member in the dropdown list of the work progress section, show that person's progress over a selected month	
3		Fail to query selected person's progress data

Table 63: Process Description - UC-21

Identifier	UC-21
Purpose	Super admin can view goals made in past weeks
Requirements	Valid account
Development Risks	None
Pre-conditions	Account login
Post-conditions	None

Table 64: Typical Course of Action - UC-21 success

Seq#	Actor's Action	System's Response
1	In the dashboard, user select a desired week in the calendar in the weekly goal KPI section	

2	Query goal info from that week and the	
	week before it and generate the KPI graph	

Table 65: Typical Course of Action - UC-21 failure

Seq#	Actor's Action	System's Response
1	In the dashboard, user select a desired week in the calendar in the weekly goal KPI section	
2		Fail to query goal info from that week and the week before it and generate the KPI graph

Table 66: Process Description - UC-22

Identifier	UC-22
Purpose	Super admin can view goals set for future weeks
Requirements	Valid account
Development Risks	None
Pre-conditions	Account login
Post-conditions	None

Table 67: Typical Course of Action - UC-22 success

Seq#	Actor's Action	System's Response
1	In the dashboard, user select a desired week in the calendar in the weekly goal KPI section	
2		Query goal info from that week and the week before it and generate the KPI graph

Table 68: Typical Course of Action - UC-22 failure

Seq#	Actor's Action	System's Response
1	In the dashboard, user select a desired week in the calendar in the weekly goal KPI section	
2		Fail to query the correct goal info from that week and the week before it and generate the KPI graph

Table 69: Process Description - UC-23

	Table 07. Trocess Description - 0C-25
Identifier	UC-23 DEFERRED
Purpose	Super admin can receive notifications as a piece of content moves through the various stages of development (approved, rejected, parked). Super admin will receive notification as a new pitch needs to be reviewed / when weekly deadline approves, weekly publishing calendar needs to be reviewed
Requirements	Valid account
Development Risks	None
Pre-conditions	Account login
Post-conditions	None

Table 70: Typical Course of Action - UC-23 success

Seq#	Actor's Action	System's Response
1	User see notification icon with numbers aside of it	
2	User clicks the notification icon	
3		Redirect user to notification page

Table 71: Typical Course of Action - UC-23 failure

Seq#	Actor's Action	System's Response
1	User see notification icon with numbers aside of it	
2	User clicks the notification icon	
3		Fail to redirect user to notification page

Table 72: Process Description - UC-24

Table 72. Process Description - OC-24		
Identifier	UC-24 DEFERRED	
Purpose	Super admin can send a message to a specific user	
Requirements	Valid account	
Development Risks	None	
Pre-conditions	Account login	
Post-conditions	None	

Table 73: Typical Course of Action - UC-24 success

Seq#	Actor's Action	System's Response
1	User choose a user	
2	User type a message and send	
3		Forward the message to the chosen user
4		Display message on the chosen user's notification area

Table 74: Typical Course of Action - UC-24 failure

Seq#	Actor's Action	System's Response
1	User choose a user	
2	User type a message and send	
3		Forwarding message failed
4		Display error message

Table 75: Process Description - UC-25

14010 (C. 1100000 2 0001 puon 0 0 20		
Identifier	UC-25 DEFERRED	
Purpose	Super admin contributor can receive message from other users	
Requirements	Valid account	
Development Risks	None	
Pre-conditions	Account login	
Post-conditions	None	

Table 76: Typical Course of Action - UC-25 success

Seq#	Actor's Action	System's Response
1	Users move to contributor dashboard page	
2		Show the contributor dashboard page
3	Click on "message box"	
4		Show the list of message received

5	Click on one message to read	
6		Show the message

Table 77: Typical Course of Action - UC-25 failure

Seq#	Actor's Action	System's Response
1	Users move to contributor dashboard page	
2		Show the contributor dashboard page
3	Click on "message box"	
4		Show error info that why message box is unavailable

Table 78: Process Description - UC-26

Identifier	UC-26
Purpose	Super admin logs out of the system and ends their current session
Requirements	Valid account
Development Risks	None
Pre-conditions	Account login
Post-conditions	None

Table 79: Typical Course of Action - UC-26 success

Seq#	Actor's Action	System's Response

1	User click account icon	
2		Show log out option
3	User click on log out button	
4		Log the account out

Table 80: Typical Course of Action - UC-26 failure

Seq#	Actor's Action	System's Response
1	User click account icon	
2		Show log out option
3	User click on log out button	
4		Fail to log out, show error message

Global2.1.3.7 Super admin global pitch board page

Table 81: Process Description - UC-27

Identifier	UC-27
Purpose	Super admin can click on a pitch in the list to view its details: pitch ID, title, vertical, creator ID, time created, last time modified, details(description, URL, buyside network), status(new, approved, rejected, parked), log(contributor X modified at 11:30pm 11-10-18), admin reviews [1][0]. Super admin can edit the pitch in the global pitch board page
Requirements	Valid account
Development Risks	None

Pre-conditions	Account login
Post-conditions	None

Table 82: Typical Course of Action - UC-27 success

Seq#	Actor's Action	System's Response
1	User click on the "details" button of a pitch in the global pitch board	
2		Bring up the detail portal and show the details of that pitch
3	User click on the "action" button to edit the details of the pitch, then click "submit"	
4		Save the updated details to database

Table 83: Typical Course of Action - UC-27 failure

Seq#	Actor's Action	System's Response
1	User click on the "details" button of a pitch in the global pitch board	
2		Fail to show the detail portal or shows incorrect pitch details
3	User click on the "action" button to edit the details of the pitch, then click "submit"	
4		Fail to save the updated details to database

Table 84: Process Description - UC-28

Identifier	UC-28
Purpose	Super admin can click on a pitch, change its status to approved or rejected. If a total number of 2 admin/super admin have different opinions, the status of the pitch is changed to "parked" which is then moved to the

	parking board, and removed from the pitch board. Rejected pitch is permanently removed from database
Requirements	Valid account
Development Risks	None
Pre-conditions	Account login
Post-conditions	None

Table 85: Typical Course of Action - UC-28 success

Seq#	Actor's Action	System's Response
1	User click on the "Action" button of a pitch	
2	Approve, reject, or park the pitch	
3		Pitch status gets updated to approved, rejected, or parked based on decision user made, and move to the respective board

Table 86: Typical Course of Action - UC-28 failure

Seq#	Actor's Action	System's Response
1	User click on the "Action" button of a pitch	
2	Approve, reject, or park the pitch	
3		Pitch status gets updated to approved, rejected, or parked based on decision user made, but fail to move to the respective board

Table 87: Process Description - UC-29

Identifier	UC-29
Purpose	Super admin can filter pitches by criteria such as status, creator etc
Requirements	Valid account
Development Risks	None
Pre-conditions	Account login
Post-conditions	None

Table 88: Typical Course of Action - UC-29 success

Seq#	Actor's Action	System's Response
1	In the global pitch board, user enter the desired keyword on a column to show matching pitches	
2		Query database and show the filtered pitch list

Table 89: Typical Course of Action - UC-29 failure

Seq#	Actor's Action	System's Response
1	In the global pitch board, user enter the desired keyword on a column to show matching pitches	
2		Fail to query the correct pitches

2.1.3.8 Super admin weekly publishing calendar page

Table 90: Process Description - UC-30

	•
Identifier	UC-30

Purpose	Super admin can click on a pitch in the list to view its details: pitch ID, title, vertical, creator ID, time created, last time modified, details(description, URL, buyside network), status(new, approved, rejected, parked, which will always be approved), log(contributor X modified at 11:30pm 11-10-18), Super admin can edit the pitch in the Weekly publishing calendar page
Requirements	Valid account, user type as "contributor"
Development Risks	None
Pre-conditions	Account login
Post-conditions	None

Table 91: Typical Course of Action - UC-30 success

Seq#	Actor's Action	System's Response
1	User click on the "details" button of a pitch in the weekly publishing board	
2		Bring up the detail portal and show the details of that pitch
3	User click on the "action" button to edit the details of the pitch, then click "submit"	
4		Save the updated details to database

Table 92: Typical Course of Action - UC-30 failure

Seq#	Actor's Action	System's Response
1	User click on the "details" button of a pitch in the global pitch board	
2		Fail to show the detail portal or shows incorrect pitch details

3	User click on the "action" button to edit the details of the pitch, then click "submit"	
4		Fail to save the updated details to database

Table 93: Process Description - UC-31

Table 98. Hotels Beschpash CC 31		
Identifier	UC-31 DEFERRED	
Purpose	Super admin can make the decision to publish the pitches in the weekly publishing calendar	
Requirements	Valid account, user type as "super admin"	
Development Risks	None	
Pre-conditions	Account login	
Post-conditions	None	

Table 94: Typical Course of Action - UC-31 success

Seq#	Actor's Action	System's Response
1	Users click "publish" to send the pitch list in calendar board to the next phase of content creation	
2		Send the CSV file to a targeted user

Table 95: Typical Course of Action - UC-31 failure

Seq#	Actor's Action	System's Response
1	Users click "publish" to send the pitch list in calendar board to the next phase of content creation	
2		Fail to send the CSV file to a targeted user

Table 96: Process Description - UC-32

Identifier	UC-32
Purpose	Super admin can filter pitches by criteria such as status, creator etc
Requirements	Valid account
Development Risks	None
Pre-conditions	Account login
Post-conditions	None

Table 97: Typical Course of Action - UC-32 success

Seq#	Actor's Action	System's Response
1	User enter the desired keyword on a column to show matching pitches	
2		Query database and show the filtered pitch list

Table 98: Typical Course of Action - UC-32 failure

Seq#	Actor's Action	System's Response
1	User enter the desired keyword on a column to show matching pitches	
2		Fail to query the correct pitches

Table 99: Process Description - UC-33

Identifier	UC-33

Purpose	Super admin can export the weekly publishing calendar into CSV file
Requirements	Valid account
Development Risks	None
Pre-conditions	Account login
Post-conditions	None

Table 100: Typical Course of Action - UC-33 success

Seq#	Actor's Action	System's Response
1	User click on "Download"	
2		Export the calendar board as a CSV file

Table 101: Typical Course of Action - UC-33 failure

Seq#	Actor's Action	System's Response
1	User click on "Download"	
2		Fail to export the calendar board as a CSV file

2.1.3.9 Super admin parking board page

Table 102: Process Description - UC-34

Identifier	UC-34
Purpose	Super admin can click on a pitch in the list to view its details: pitch ID, title, vertical, creator ID, time created, last time modified, details(description, URL, buyside network), status(new, approved, rejected, parked, which will always be parked), log(contributor X

	modified at 11:30pm 11-10-18), Super admin can edit the pitch in the parking board
Requirements	Valid account
Development Risks	None
Pre-conditions	Account login
Post-conditions	None

Table 103: Typical Course of Action - UC-34 success

Seq#	Actor's Action	System's Response
1	User click on the "details" button of a pitch in the weekly publishing board	
2		Bring up the detail portal and show the details of that pitch
3	User click on the "action" button to edit the details of the pitch, then click "submit"	
4		Save the updated details to database

Table 104: Typical Course of Action - UC-34 failure

Seq#	Actor's Action	System's Response
1	User click on the "details" button of a pitch in the global pitch board	
2		Fail to show the detail portal or shows incorrect pitch details
3	User click on the "action" button to edit the details of the pitch, then	

		click "submit"	
4	ı		Fail to save the updated details to database

Table 105: Process Description - UC-35

T 1 (*0°	Table 103. Hocess Description - 00-33
Identifier	UC-35
Purpose	If there is not enough pitches in the weekly publishing calendar, the super admin can move some parked pitches into publishing calendar (change parked pitches' status to approved, remove them from parking board, move into publishing calendar)
Requirements	Valid account
Development Risks	None
Pre-conditions	Account login
Post-conditions	None

Table 106: Typical Course of Action - UC-35 success

Seq#	Actor's Action	System's Response
1	User click on the "action" button to change the status to be "approve", then click "submit"	
2		Update pitch status to approved and move it to the publish calendar

Table 107: Typical Course of Action - UC-35 failure

Seq#	Actor's Action	System's Response
1	User click on the "action" button to change the status to be "approve", then click "submit"	

2	Fail to update pitch status to approved and
	move it to the publish calendar

2.1.3.10 Super admin team board page

Table 108: Process Description - UC-36

	Table 100. Hocess Description CC 30
Identifier	UC-36
Purpose	Super admin can click on a team member and view his/her information: member name, account type(contributor, admin, super admin), number of draft pitched, number of pitch approved, total weekly number of pitch needed, success rate, details (name, gender, email, phone, address, county, state, country)
Requirements	Valid account
Development Risks	None
Pre-conditions	Account login
Post-conditions	None

Table 109: Typical Course of Action - UC-36 success

Seq#	Actor's Action	System's Response
1	User is presented with a list of members and their information	
2		Show the most up to date member list

Table 110: Typical Course of Action - UC-36 failure

Seq#	Actor's Action	System's Response
1	User should be presented with a list of members and their information	



Table 111: Process Description - UC-37

Identifier	UC-37
Purpose	Super admin can change a team member's type between admin and contributor
Requirements	Valid account
Development Risks	None
Pre-conditions	Account login
Post-conditions	None

Table 112: Typical Course of Action - UC-37 success

Seq#	Actor's Action	System's Response
1	User click "action", change a member's type to either admin or contributor	
2		Update the member's type

Table 113: Typical Course of Action - UC-37 failure

Seq#	Actor's Action	System's Response
1	User click "action", change a member's type to either admin or contributor	
2		Fail to update the member's type

Table 114: Process Description - UC-38

Identifier	UC-38
Purpose	Super admin can create a new admin or contributor account
Requirements	Valid account
Development Risks	None
Pre-conditions	Account login
Post-conditions	None

Table 115: Typical Course of Action - UC-38 success

Seq#	Actor's Action	System's Response
1	User click on "+"	
2		Bring up portal for creating new user
3	Enter user information and account type, click "submit"	
4		Save the new user into database

Table 116: Typical Course of Action - UC-38 failure

Seq#	Actor's Action	System's Response
1	User click on "+"	
2		Bring up portal for creating new user
3	Enter user information and account type, click "submit"	



Table 117: Process Description - UC-39

Identifier	UC-39
Purpose	Super admin can delete an existing account
Requirements	Valid account
Development Risks	None
Pre-conditions	Account login
Post-conditions	None

Table 118: Typical Course of Action - UC-39 success

Seq#	Actor's Action	System's Response
1	User click on "delete" to remove a member account	
2		Delete the member account from database

Table 119: Typical Course of Action - UC-39 failure

Seq#	Actor's Action	System's Response
1	User click on "delete" to remove a member account	
2		Fail to delete the member account from database

2.1.3.11 Super admin goals board page

Table 120: Process Description - UC-40

Identifier	UC-40
Purpose	Super admin can set a list of goals desired for current week, each goal has one desired vertical, and number of pitch needed for that vertical. Once the goal is set, it's given to all contributors but the number of pitch is evenly distributed among the contributors.
Requirements	Valid account
Development Risks	None
Pre-conditions	Account login
Post-conditions	None

Table 121: Typical Course of Action - UC-40 success

Seq#	Actor's Action	System's Response
1	User click on "Edit", then click on "+"	
2	User enter the desired vertical and pitch quota	
3		Save the goal into database, then distribute to all contributors as their individual goals

Table 122: Typical Course of Action - UC-40 failure

Seq#	Actor's Action	System's Response
1	User click on "Edit", then click on "+"	
2	User enter the desired vertical and pitch quota	
3		Fail to save the goal into database, then distribute to all contributors as their

	individual goals

Table 123: Process Description - UC-41

Identifier	UC-41
Purpose	Super admin can set a list of goals desired for future weeks
Requirements	Valid account
Development Risks	None
Pre-conditions	Account login
Post-conditions	None

Table 124: Typical Course of Action - UC-41 success

Seq#	Actor's Action	System's Response
1	Select a week from the calendar	
2	User click on "Edit", then click on "+"	
3	User enter the desired vertical and pitch quota	
4		Save the goal into database, then distribute to all contributors as their individual goals

Table 125: Typical Course of Action - UC-41 failure

Seq#	Actor's Action	System's Response
1	Select a week from the calendar	
2	User click on "Edit", then click on "+"	

3	User enter the desired vertical and pitch quota	
4		Fail to save the goal into database, then distribute to all contributors as their individual goals

Table 126: Process Description - UC-42

14016 120.1106635 Description CC 12		
Identifier	UC-42	
Purpose	Super admin can select a week in history and check its goals	
Requirements	Valid account	
Development Risks	None	
Pre-conditions	Account login	
Post-conditions	None	

Table 127: Typical Course of Action - UC-42 success

Seq#	Actor's Action	System's Response
1	User select a week in the calendar	
2		Query the goal list for that week

Table 128: Typical Course of Action - UC-42 failure

Seq#	Actor's Action	System's Response
1	User select a week in the calendar	

2	Fail to query the goal list for that week	

2.1.3.12 Super admin setting page

Table 129: Process Description - UC-43

1 more 1271 11000000 2 00000 000 10		
Identifier	UC-43	
Purpose	Super admin can make changes to their own profile including address, contact etc	
Requirements	Valid account	
Development Risks	None	
Pre-conditions	Account login	
Post-conditions	None	

Table 130: Typical Course of Action - UC-43 success

Seq#	Actor's Action	System's Response
1	User click on "settings" on the side bar	
2		Visit setting page, show existing user profile
3	User change desired entries, click "update profile"	
4		Save the new profiles in database

Table 131: Typical Course of Action - UC-43 failure

Seq#	Actor's Action	System's Response
1	User click on "settings" on the side bar	

2		Visit setting page, show existing user profile
3	User change desired entries, click "update profile"	
4		New profile does not save to database properly

2.1.3.13 Admin dashboard page

Table 132: Process Description - UC-44

Identifier	UC-44
Purpose	Admin can view overall project progress, goal verticals, number of pitch needed by each vertical, progress of each vertical (pitch approved / needed).
Requirements	Valid account
Development Risks	None
Pre-conditions	Account login
Post-conditions	None

Table 133: Typical Course of Action - UC-44 success

Seq#	Actor's Action	System's Response
1	In the dashboard, the weekly goal KPI and work progress is presented to the user	
2	User choose a specific member in the dropdown list of the work progress section, show that person's progress over a selected month	
3		Query selected person's progress data

Table 134: Typical Course of Action - UC-44 failure

Seq#	Actor's Action	System's Response
1	In the dashboard, the weekly goal KPI and work progress is presented to the user	
2	User choose a specific member in the dropdown list of the work progress section, show that person's progress over a selected month	
		Fail to query selected person's progress data

Table 135: Process Description - UC-45

Tuele 133. 1100033 Description CC 13	
Identifier	UC-45
Purpose	Admin can view goals made in past weeks
Requirements	Valid account
Development Risks	None
Pre-conditions	Account login
Post-conditions	None

Table 136: Typical Course of Action - UC-45 success

Seq#	Actor's Action	System's Response
1	In the dashboard, user select a desired week in the calendar in the weekly goal KPI section	
2		Query goal info from that week and the week before it and generate the KPI graph

Table 137: Typical Course of Action - UC-45 failure

Seq#	Actor's Action	System's Response
1	In the dashboard, user select a desired week in the calendar in the weekly goal KPI section	
2		Fail to query goal info from that week and the week before it and generate the KPI graph

Table 138: Process Description - UC-46

14010 1501 11000 B 25011pton CC 10	
Identifier	UC-46
Purpose	Admin can view goals set for future weeks
Requirements	Valid account
Development Risks	None
Pre-conditions	Account login
Post-conditions	None

Table 139: Typical Course of Action - UC-46 success

Seq#	Actor's Action	System's Response
1	In the dashboard, user select a desired week in the calendar in the weekly goal KPI section	
2		Query goal info from that week and the week before it and generate the KPI graph

Table 140: Typical Course of Action - UC-46 failure

Seq#	Actor's Action	System's Response
Seq ⁿ	retor s retion	System's response

1	In the dashboard, user select a desired week in the calendar in the weekly goal KPI section	
2		Fail to query the correct goal info from that week and the week before it and generate the KPI graph

Table 141: Process Description - UC-47

Identifier	UC-47 DEFERRED
Purpose	Admin can receive notifications as a piece of content moves through the various stages of development (approved, rejected, parked). Admin will receive notification as a new pitch needs to be reviewed
Requirements	Valid account
Development Risks	None
Pre-conditions	Account login
Post-conditions	None

Table 142: Typical Course of Action - UC-47 success

Seq#	Actor's Action	System's Response
1	User see notification icon with numbers aside of it	
2	User clicks the notification icon	
3		Redirect user to notification page

Table 143: Typical Course of Action - UC-47 failure

Seq#	Actor's Action	System's Response
1	User see notification icon with numbers aside of it	

2	User clicks the notification icon	
3		Fail to redirect user to notification page

Table 144: Process Description - UC-48

Tuele 1111 Trocess Description CC 10	
Identifier	UC-48 DEFERRED
Purpose	Admin can send a message to a specific user
Requirements	Valid account
Development Risks	None
Pre-conditions	Account login
Post-conditions	None

Table 145: Typical Course of Action - UC-48 success

Seq#	Actor's Action	System's Response
1	User choose a user	
2	User type a message and send	
3		Forward the message to the chosen user
4		Display message on the chosen user's notification area

Table 146: Typical Course of Action - UC-48 failure

Seq#	Actor's Action	System's Response
1	User choose a user	

2	User type a message and send	
3		Forwarding message failed
4		Display error message

Table 147: Process Description - UC-49

1 mete 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Identifier	UC-49 DEFERRED
Purpose	Admin contributor can receive message from other users
Requirements	Valid account
Development Risks	None
Pre-conditions	Account login
Post-conditions	None

Table 148: Typical Course of Action - UC-49 success

Seq#	Actor's Action	System's Response
1	Users move to contributor dashboard page	
2		Show the contributor dashboard page
3	Click on "message box"	
4		Show the list of message received
5	Click on one message to read	

	6	Show the message
ı		

Table 149: Typical Course of Action - UC-49 failure

Seq#	Actor's Action	System's Response
1	Users move to contributor dashboard page	
2		Show the contributor dashboard page
3	Click on "message box"	
4		Show error info that why message box is unavailable

Table 150: Process Description - UC-50

Identifier	UC-50
Purpose	Admin logs out of the system and ends their current session
Requirements	Valid account
Development Risks	None
Pre-conditions	Account login
Post-conditions	None

Table 151: Typical Course of Action - UC-50 success

Seq#	Actor's Action	System's Response
1	User click account icon	

2		Show log out option
3	User click on log out button	
4		Log the account out

Table 152: Typical Course of Action - UC-50 failure

Seq#	Actor's Action	System's Response
1	User click account icon	
2		Show log out option
3	User click on log out button	
4		Fail to log out, show error message

2.1.3.14 Admin global pitch board page

Table 153: Process Description - UC-51

Tuole 155.1100055 Description 600 51	
Identifier	UC-51
Purpose	Admin can click on a pitch in the list to view its details: pitch ID, title, vertical, creator ID, time created, last time modified, details(description, URL, buyside network), status(new, approved, rejected, parked), log(contributor X modified at 11:30pm 11-10-18), admin reviews [1][0]. Admin can edit the pitch in the global pitch board page
Requirements	Valid account
Development Risks	None
Pre-conditions	Account login
Post-conditions	None

Table 154: Typical Course of Action - UC-50 success

Seq#	Actor's Action	System's Response
1	User click on the "details" button of a pitch in the global pitch board	
2		Bring up the detail portal and show the details of that pitch
3	User click on the "action" button to edit the details of the pitch, then click "submit"	
4		Save the updated details to database

Table 155: Typical Course of Action - UC-51 failure

Seq#	Actor's Action	System's Response
1	User click on the "details" button of a pitch in the global pitch board	
2		Fail to show the detail portal or shows incorrect pitch details
3	User click on the "action" button to edit the details of the pitch, then click "submit"	
4		Fail to save the updated details to database

Table 156: Process Description - UC-52

Identifier	UC-52
Purpose	Admin can click on a pitch, change its status to approved or rejected. If a total number of 2 admin/super admin have different opinions, the status of the pitch is changed to "parked" which is then moved to the parking board, and removed from the pitch board. Rejected pitch is permanently removed from database
Requirements	Valid account

Development Risks	None
Pre-conditions	Account login
Post-conditions	None

Table 157: Typical Course of Action - UC-52 success

Seq#	Actor's Action	System's Response
1	User click on the "Action" button of a pitch	
2	Approve, or reject the pitch	
3		Pitch status gets updated to approved, rejected, or parked based on decision two admin users made, and move to the respective board

Table 158: Typical Course of Action - UC-52 failure

Seq#	Actor's Action	System's Response
1	User click on the "Action" button of a pitch	
2	Approve, or reject the pitch	
3		Pitch status gets updated to approved, rejected, or parked based on decision two admin users made, but fail to move to the respective board

Table 159: Process Description - UC-53

Identifier	UC-53
Purpose	Admin can filter pitches by criteria such as status, creator etc

Requirements	Valid account
Development Risks	None
Pre-conditions	Account login
Post-conditions	None

Table 160: Typical Course of Action - UC-53 success

Seq#	Actor's Action	System's Response
1	In the global pitch board, user enter the desired keyword on a column to show matching pitches	
2		Query database and show the filtered pitch list

Table 161: Typical Course of Action - UC-53 failure

Seq#	Actor's Action	System's Response
1	In the global pitch board, user enter the desired keyword on a column to show matching pitches	
2		Fail to query the correct pitches

2.1.3.15 Admin team board page

Table 162: Process Description - UC-54

Identifier	UC-54
	Admin can click on a team member and view his/her information: member name, account type(contributor, admin, super admin), number of draft pitched, number of pitch approved, total weekly number of pitch needed, success rate, details (name, gender, email, phone, address, county, state,

	country)
Requirements	Valid account
Development Risks	None
Pre-conditions	Account login
Post-conditions	None

Table 163: Typical Course of Action - UC-54 success

Seq#	Actor's Action	System's Response
1	User is presented with a list of members and their information	
2		Show the most up to date member list

Table 164: Typical Course of Action - UC-54 failure

Seq#	Actor's Action	System's Response
1	User should be presented with a list of members and their information	
2		Fail to show the most up to date member list

Table 165: Process Description - UC-55

Identifier	UC-55
Purpose	Admin can change a team member's type between admin and contributor
Requirements	Valid account
Development Risks	None

Pre-conditions	Account login
Post-conditions	None

Table 166: Typical Course of Action - UC-55 success

Seq#	Actor's Action	System's Response
1	User click "action", change a member's type to either admin or contributor	
2		Update the member's type

Table 167: Typical Course of Action - UC-55 failure

Seq#	Actor's Action	System's Response
1	User click "action", change a member's type to either admin or contributor	
2		Fail to update the member's type

Table 168: Process Description - UC-56

Identifier	UC-56
Purpose	Admin can create a new admin or contributor account
Requirements	Valid account
Development Risks	None
Pre-conditions	Account login
Post-conditions	None

Table 169: Typical Course of Action - UC-56 success

Seq#	Actor's Action	System's Response
1	User click on "+"	
2		Bring up portal for creating new user
3	Enter user information and account type, click "submit"	
4		Save the new user into database

Table 170: Typical Course of Action - UC-56 failure

Seq#	Actor's Action	System's Response
1	User click on "+"	
2		Bring up portal for creating new user
3	Enter user information and account type, click "submit"	
4		Fail to save the new user into database

Table 171: Process Description - UC-57

Identifier	UC-57
Purpose	Admin can delete an existing account
Requirements	Valid account
Development Risks	None
Pre-conditions	Account login
Post-conditions	None

Table 172: Typical Course of Action - UC-57 success

Seq#	Actor's Action	System's Response
1	User click on "delete" to remove a member account	
2		Delete the member account from database

Table 173: Typical Course of Action - UC-57 failure

Seq#	Actor's Action	System's Response
1	User click on "delete" to remove a member account	
2		Fail to delete the member account from database

2.1.3.16 Admin setting page

Table 174: Process Description - UC-58

Table 174: Process Description - UC-58			
Identifier	UC-58		
Purpose	Admin can make changes to their own profile including address, contact etc		
Requirements	Valid account		
Development Risks	None		
Pre-conditions	Account login		
Post-conditions	None		

Table 175: Typical Course of Action - UC-58 success

Seq#	Actor's Action	System's Response

1	User click on "settings" on the side bar	
2		Visit setting page, show existing user profile
3	User change desired entries, click "update profile"	
4		Save the new profiles in database

Table 176: Typical Course of Action - UC-58 failure

Seq#	Actor's Action	System's Response
1	User click on "settings" on the side bar	
2		Visit setting page, show existing user profile
3	User change desired entries, click "update profile"	
4		New profile does not save to database properly

2.1.4 Modes of Operation

- Content contributor mode: log in, log out, draft idea, pitch draft
- Content admin mode: log in, log out, edit pitch, review/approve/reject pitch, manage user accounts
- Super admin mode: log in, log out, edit pitch, review/approve/reject pitch, manage user accounts, review publishing calendar, set goals, overwrite parked pitch status

2.2 System Analysis Rationale

Super admin registration is not included explicitly as it would be created manually by the dev team or maintainer. Number of admins should be limited and should not be shown in the UI. The scope does not include optimization for mobile platform, thus the web app is preferred to be used in a laptop/desktop browser environment.

3. Technology-Independent Model

Note: This section is exactly the same as section 4. Due to time constraints that team 3 has and the fact that we already know what technology we'll use, we used the content of section 4 for section 3.

3.1. Design Overview

3.1.1 System Structure

Figure 5: Conceptual Domain Model

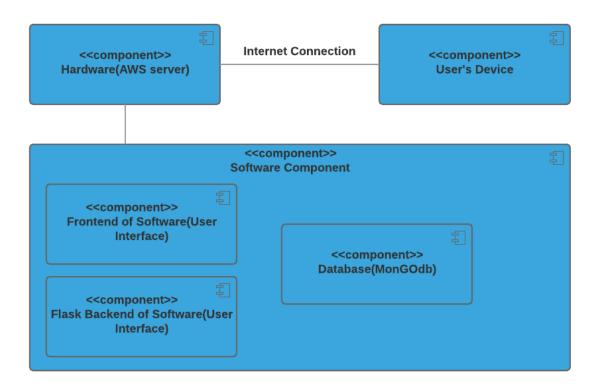


Figure 6: Hardware Component Class Diagram



Table 142 a: Hardware Component Description

Hardware Component	Description
AWS	For system hosting in production.
User's device	Work computers, for browser access

Figure 7: Software Component Class Diagram

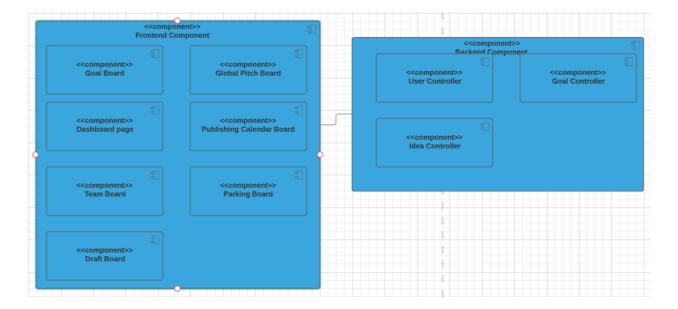
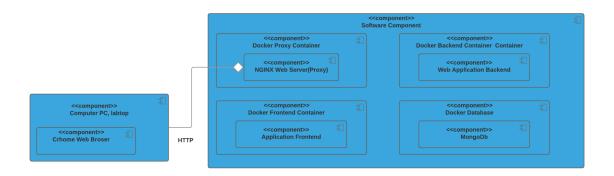


Table 142 b: Software Component Description

Software Component	Description
Goal Board	Super admin can set goal vertical and amount of pitch desired by each vertical for current or future weeks
Dashboard Page	Super admin, content admins, and contributor can view overall project progress, individual vertical progress, and goals of the past, current, or future weeks
Team Board	Super admin and content admins can manage user accounts

Draft Board	Contributor can draft an idea then pitch it for approval	
Global Pitch Board	Super admin and content admins can review, edit, and approve submitted pitches, whereas contributor can only view the submitted pitches	
Publishing Calendar Board	Super admin can review and edit approved pitches meant for publish in the current week	
Parking Board	Super admin can review and edit parked pitches or overwrite their status to be approved and move to publishing calendar board	
User Controller	Implement the logic for user behaviors and store the user data model	
Idea Controller	Implement the logic for pitch behaviors and store the user data model	
Goal Controller	Implement the logic for goal behaviors and store the user data model	

Figure 8: Deployment Diagram



3.1.2 Design Classes

Figure 9: Design Class Diagram

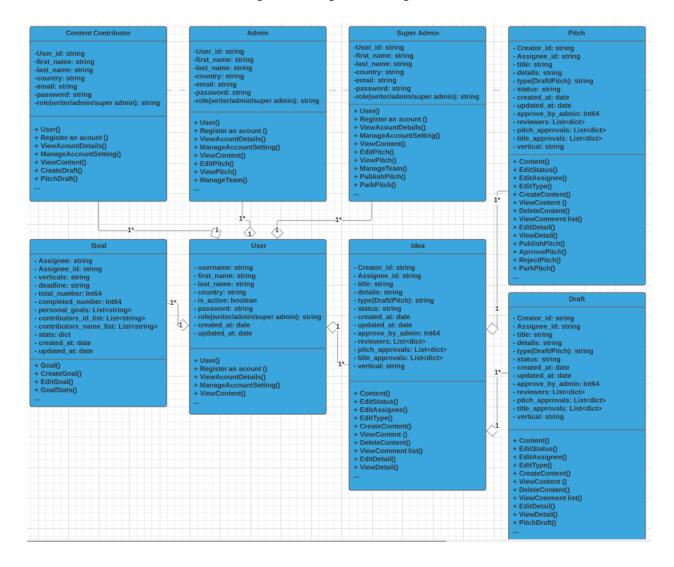


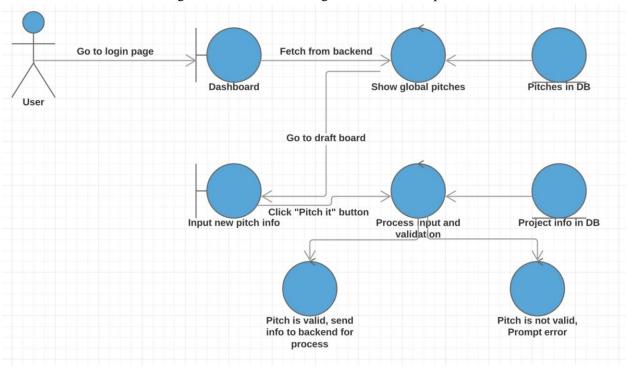
Table 144: Design Class Description

Class	Туре	Description
User	Entity	Describe user information and model, include user attributes and methods
Idea	Entity	Describe a draft, pitch, include idea attributes and methods
Goal	Entity	Describe weekly goal of the team, include

		goal attributes and methods
Pitch	Entity	This class extends idea class.
draft	Entity	This class extends idea class.
Admin	Entity	This class extends user class
Super admin	Entity	This class extends user class
Content contributor	Entity	This class extends user class

3.1.3 Process Realization

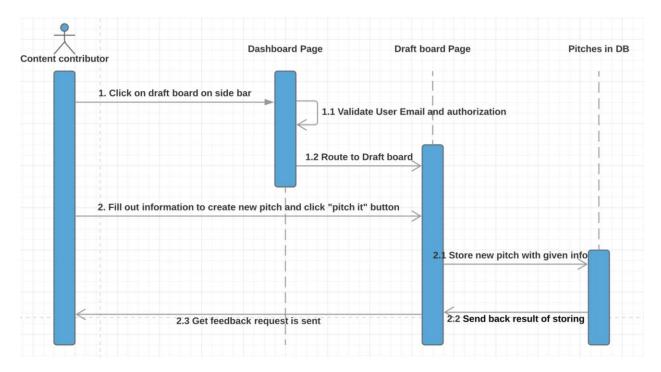
Figure 10: Robustness Diagram - draft a new pitch



User create a new pitch

Figure 11: Process Realization Diagram - draft a new pitch

Figure 12: Sequence Diagram - draft a new pitch



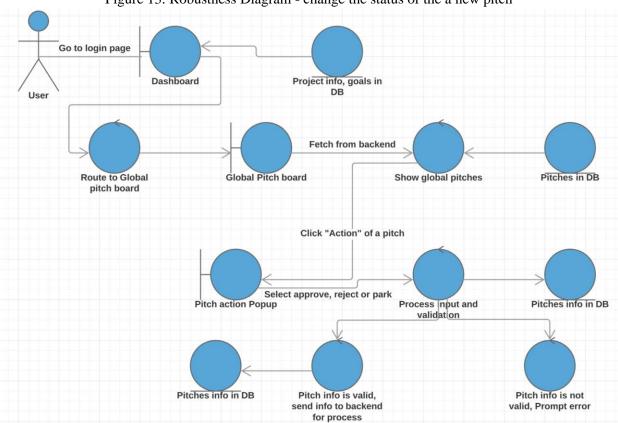
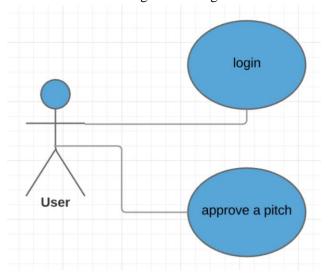


Figure 13: Robustness Diagram - change the status of the a new pitch

Figure 14: Process Realization Diagram - change the status of the a new pitch



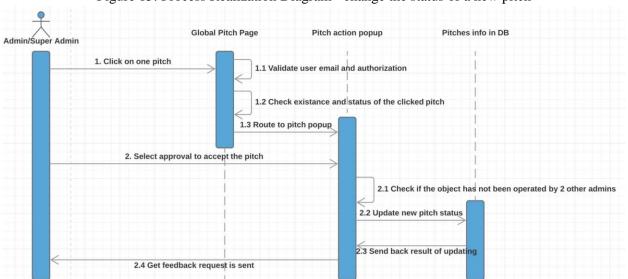


Figure 15: Process Realization Diagram - change the status of a new pitch

3.2 Design Rationale

The design is solely following the principle to mimic and streamline System1's current workflow on idea formulation using most recent and mainstream technologies, including the utilization of modern database hosting, cloud service, web app hosting, mainstream frameworks etc. Meanwhile, the design aims to be maintainer friendly, meaning that it's modular and has clear boundary between subparts.

4. Technology-Specific System Design

4.1 Design Overview

4.1.1 System Structure

Figure 16: Conceptual Domain Model

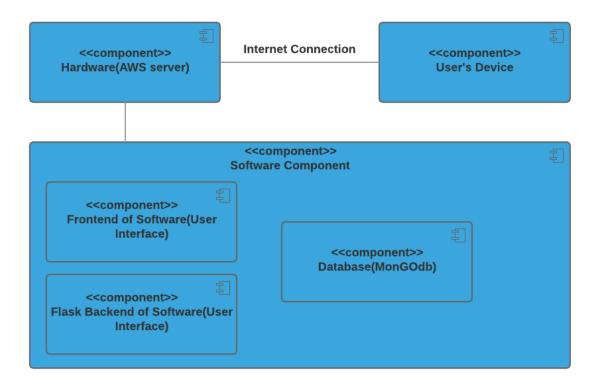


Figure 17: Hardware Component Class Diagram



Table 145: Hardware Component Description

Hardware Component	Description	
AWS	For system hosting in production.	
User's device	Work computers, for browser access	

System1 Idea Management System **Backend Web** User Authentication & Authorization Service Service User User Controller Super Admin General Add/edit pitch View boards Call backend services Content Admin Update account settings Pitch Controller Frontend Service password Approve/Reject pitch Update Admin Content Contributor Edit parked pitches
Set goals
Update verticals Super Admin Goals Controller Vertical Controller

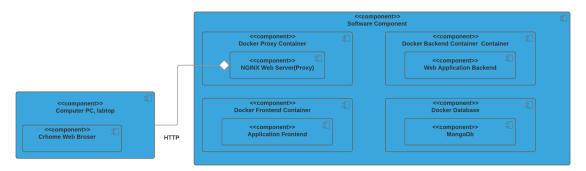
Figure 18: Software Component Class Diagram

Table 146: Software Component Description

Table 140. Software Component Description		
Software Component	Description	
Goal Board	Super admin can set goal vertical and amount of pitch desired by each vertical for current or future weeks	
Dashboard Page	Super admin, content admins, and contributor can view overall project progress, individual vertical progress, and goals of the past, current, or future weeks	
Team Board	Super admin and content admins can manage user accounts	
Draft Board	Contributor can draft an idea then pitch it for approval	
Global Pitch Board	Super admin and content admins can review, edit, and approve submitted pitches, whereas contributor can only view the submitted pitches	
Publishing Calendar Board	Super admin can review and edit approved pitches meant for publish in the current week	

Parking Board	Super admin can review and edit parked pitches or overwrite their status to be approved and move to publishing calendar board	
User Controller	Implement the logic for user behaviors and store the user data model	
Idea Controller	Implement the logic for pitch behaviors and store the user data model	
Goal Controller	Implement the logic for goal behaviors and store the user data model	

Figure 19: Deployment Diagram



4.1.2 Design Classes

Figure 20: Design Class Diagram



Table 147: Design Class Description

Class	Туре	Description
User	Entity	Describe user information and model, include user attributes and methods
Idea	Entity	Describe a draft, pitch, include idea attributes and methods
Goal	Entity	Describe weekly goal of the team, include goal attributes and methods
Pitch	Entity	This class extends idea class.

draft	Entity	This class extends idea class.
Admin	Entity	This class extends user class
Super admin	Entity	This class extends user class
Content contributor	Entity	This class extends user class

4.1.3 Process Realization

Figure 21: Robustness Diagram - draft a new pitch

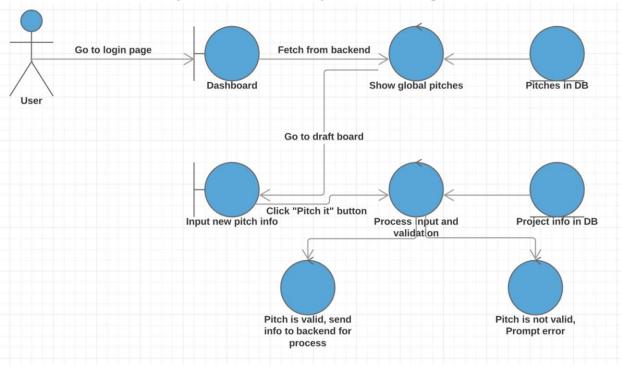


Figure 22: Process Realization Diagram - draft a new pitch

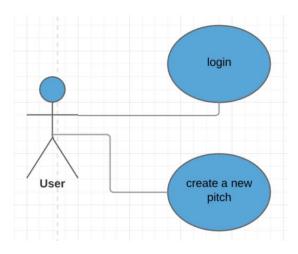


Figure 23: Sequence Diagram - draft a new pitch

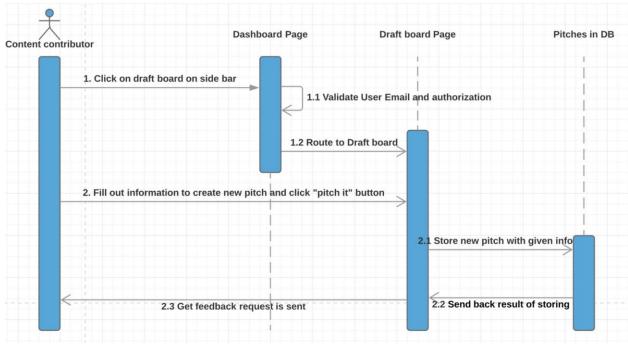


Figure 24: Robustness Diagram - change the status of the a new pitch

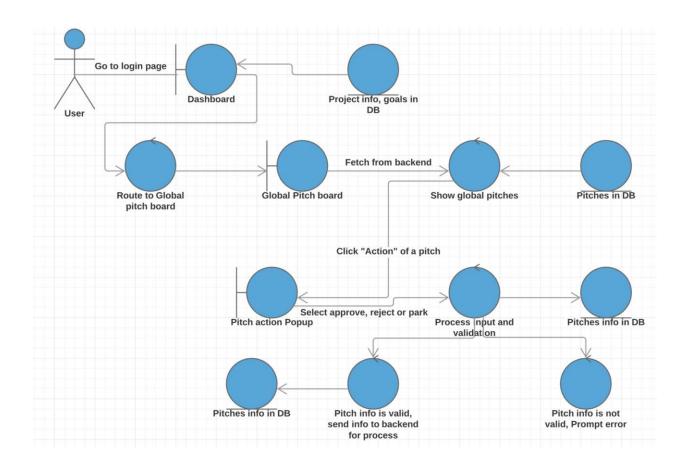


Figure 25: Process Realization Diagram - change the status of the a new pitch

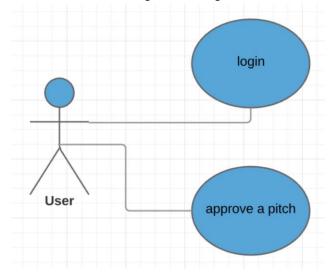
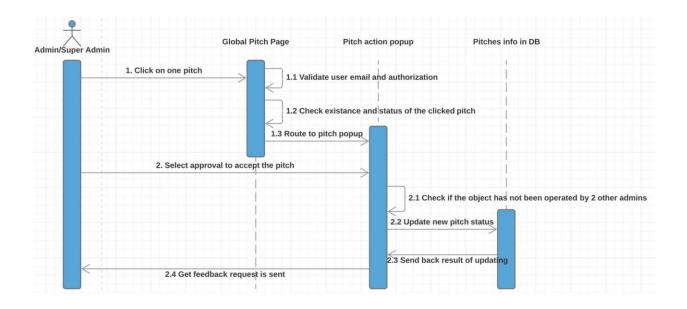


Figure 26: Process Realization Diagram - change the status of the a new pitch



4.2 Design Rationale

The design is solely following the principle to mimic and streamline System1's current workflow on idea formulation using most recent and mainstream technologies, including the utilization of modern database hosting, cloud service, web app hosting, mainstream frameworks etc. Meanwhile, the design aims to be maintainer friendly, meaning that it's modular and has clear boundary between subparts

5. Architectural Styles, Patterns and Frameworks

Table 148: Architectural Styles, Patterns, and Frameworks

Name	Description	Benefits, Costs, and Limitations
Three-Tier	Having 3 major parts: • User Interface Tier(ReactJS): • Logic Tier (Server, or Backend with Flask • Data Tier (MongoDB)	 Changes in any part is independent from the other parts, no impact on other Tiers. This architecture has no cost, for using explicitly this architecture, we do not pay for other 3rd party system (JavaScript,Flask library and frameworks are open-source, likewise for the MongoDB)
Client Server	Having this style in 2 parts: • Sending Request from computer	Modifiability, maintenance, evolvability, are the most important

	browser to the application serverDocker Tool communicating with Containers	benefits to our project. (Client Pooyan even can later use our backend for mobile or another platform development)
ReactJS	React JS Software Pattern: A JS Library for building fast, simple, and scalable to create Web App	 With this structure, react code is more predictable, easier to debug. Easier to learn compared with other framework like Angularjs ReactJS is one of the most popular framework so that there are lots of templates could be used, which decrease the development and maintenance cost.
Flask	Backend service framework	 Better choice compared with Spring(Java) and thrift or grpc(Golang) since the client requires to use python. Since our application is not complex, so compared to Django, a lightweight framework like flask is easy to implement, which decreases the development and maintenance cost.