

Test Plan and Cases (TPC)

Discovery Tool

Team 3

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Version History

Date	Author	Version	Changes made	Rationale
10/14/18	FZ	1.0	Initial draft	Initial draft for Discovery Tool TPC
10/20/18	FZ	1.1	Section 3	Updated content
10/21/18	XD	1.2	Fixed formatting	Reviewed for DC package

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1. Introduction

-Background and purpose of the testing

This document describes our plans to validate our system against the different requirements/specifications including functional, performance, reliability, security, usability etc. This validation is planned to provide better user experience to content writers and admins as well as improving the quality of the product.

-Scope, focus of testing within this project

We will mainly test the functionality and usability of the projects according to the use cases we developed with the client.

-Type of testing

- unittest
- Integration test
- A/B test

2. Test Strategy and Preparation

We will build our system and unittest simultaneously to make sure each unit function works per spec. After finishing our projects, we will implement integration test to make sure the API, and each larger block works as expected. At the same time, we will test more corner cases.

The order of build is as the following:

- **validate** - validate if all P0 level functionalities work well.
- **transpile** - transpile frontend react code using Babel
- **test** - test the source code using a suitable unit testing framework (i.e. unittest, flask-testing, jest, enzyme). These tests should not require the code be packaged or deployed
- **package** - take the source code and package it in its distributable format.
- **verify** - run any checks on results of integration tests to ensure quality criteria are met
- **install** - install the package into the local repository, for use as a dependency in other projects locally
- **deploy** - done in the build environment, copies the final package to the remote repository for sharing with other developers and projects.

Value-based test priority

- we will first test the functionalities which has more value in the win-win book. And the fundamental requirement in our clients will also be considered first.

2.1 Hardware preparation

- Internet Devices: Computers with internet access and different browsers installed

2.2 Software preparation

- postman: for backend API testing, for backend data.
- mongoDB: necessary for data storage. for backend data testing, need to consider the security issues like SQL injection risk..
- ReactJS setting: frontend framework.
- npm or yarn: node js management tool.
- python and pip: programming language and python management tool.
- AWS: We only testing the functionalities. All data will be the testing data, which is made by our team members
- Web browser: The users need a browser to access the web app. We'll test chrome, IE, firefox, and Safari.

2.3 Other pre-test preparations

No additional pre-test preparations

2.4 Requirements Traceability

Table 1: Requirements Traceability Matrix

Test Identifier	Test level	Test Case ID
TC-01 Login page tests	Testing, Demonstrating	TC-01-01, TC-01-02
TC-02 Content writer home page tests	Testing, Demonstrating	TC-02-1, TC-02-2, TC-02-3, TC-02-4, TC-02-5, TC-02-6, TC-02-7, TC-02-8, TC-02-9
TC-03 Content writer draft board tests	Testing, Demonstrating	TC-03-1, TC-03-2, TC-03-3, TC-03-4, TC-03-5
TC-04 Content writer global pitch board tests	Testing, Demonstrating	TC-04-1, TC-04-2, TC-04-3, TC-04-4 TC-04-5
TC-05 Content writer local title board tests	Testing, Demonstrating	TC-05-1, TC-05-2, TC-05-3, TC-05-4

TC-06 Admin home page tests	Testing, Demonstrating	TC-06-1, TC-06-2, TC-06-3, TC-06-4, TC-06-5, TC-06-6, TC-06-7
TC-07 Admin global pitch board tests	Testing, Demonstrating	TC-07-1, TC-07-2, TC-07-3, TC-07-4, TC-07-5
TC-08 Admin global title board tests	Testing, Demonstrating	TC-08-1, TC-08-2, TC-08-3, TC-08-4, TC-08-5
TC-09 Admin team board tests	Testing, Demonstrating	TC-09-1, TC-09-2
TC-10 Admin goals board tests	Testing, Demonstrating	TC-10-1, TC-10-2, TC-10-3, TC-10-4

3. Test Identification

3.1 Test Identifier

Table 2: Test Identifier

Test Case ID	Test Case Identifier
TC-01 Login page tests	
TC-01-1	Register for account
TC-01-2	Login
TC-02 Content writer home page tests	
TC-02-1	View current month target and progress
TC-02-2	View approved titles
TC-02-3	View past month targets
TC-02-4	View future month targets
TC-02-5	Receive notifications
TC-02-6	Send message
TC-02-7	Receive message
TC-02-8	View content success rates by draft to title conversion ratio
TC-02-9	Logout
TC-03 Content writer draft board tests	

TC-03-1	Create a draft
TC-03-2	Edit a draft
TC-03-3	Delete a draft
TC-03-4	View a draft
TC-03-5	Pitch a draft
TC-04 Content writer global pitch board tests	
TC-04-1	View a pitch
TC-04-2	Upvote a pitch
TC-04-3	Filter pitches by criteria
TC-04-4	Sort pitches by upvote
TC-04-5	Export global pitch board
TC-05 Content writer local title board tests	
TC-05-1	Edit a title
TC-05-2	View a title
TC-05-3	Filter titles by criteria
TC-05-4	Export local title board
TC-06 Admin home page tests	
TC-06-1	View current month target and progress
TC-06-2	View past month targets
TC-06-3	View future month targets
TC-06-4	Receive notifications
TC-06-5	Send message
TC-06-6	Receive message
TC-06-7	Logout
TC-07 Admin global pitch board tests	
TC-07-1	View a pitch
TC-07-2	Approve/reject a pitch
TC-07-3	Filter pitches by criteria
TC-07-4	Sort pitches by upvote

TC-07-5	Export global pitch board
TC-08 Admin global title board tests	
TC-08-1	View a title
TC-08-2	Assign a title to content writer
TC-08-3	Approve a title
TC-08-4	Filter titles by criteria
TC-08-5	Export global title list
TC-09 Admin team board tests	
TC-09-1	View a team member details
TC-09-2	Change a team member's type
TC-10 Admin goals board tests	
TC-10-1	Set target verticals for current month
TC-10-2	Set target verticals for future months
TC-10-3	Set target number of titles needed for each vertical
TC-10-4	Assign vertical to content writers

3.2 Test Level

Table 3: Test Level

Test Identifier	Test level
TC-01 Login page tests	Software item level
TC-02 Content writer home page tests	Software item level
TC-03 Content writer draft board tests	Software item level
TC-04 Content writer global pitch board tests	Software item level
TC-05 Content writer local title board tests	Software item level
TC-06 Admin home page tests	Software item level
TC-07 Admin global pitch board tests	Software item level
TC-08 Admin global title board tests	Software item level
TC-09 Admin team board tests	Software item level
TC-10 Admin goals board tests	Software item level

3.3 Test Class

Table 4: Test Class

Test Identifier	Test Class
TC-01 Login page tests	Erroneous test
TC-02 Content writer home page tests	Erroneous test
TC-03 Content writer draft board tests	Erroneous test
TC-04 Content writer global pitch board tests	Erroneous test
TC-05 Content writer local title board tests	Erroneous test
TC-06 Admin home page tests	Erroneous test
TC-07 Admin global pitch board tests	Erroneous test, timing tests
TC-08 Admin global title board tests	Erroneous test, timing tests
TC-09 Admin team board tests	Erroneous test
TC-10 Admin goals board tests	Erroneous test

3.4 Test Completion Criteria

Table 5: Test Completion Criteria

Test Case ID	Test Completion Criteria
TC-01 Login page tests	
TC-01-1	User can create a new account profile
TC-01-2	User logs into the system with a username and password
TC-02 Content writer home page tests	
TC-02-1	Content writer can view the total number of titles needed for this month. The

	desired verticals and number of titles needed by each vertical, titles approved so far. Assignee of each vertical. Vertical assigned to this writer. Titles assigned/worked/approved to this writer.
TC-02-2	A content writer can view all the title created by him/her that were approved for content production
TC-02-3	Content writer can view targets made in past months
TC-02-4	Content writer can view targets set for future months
TC-02-5	A content writer can receive notifications as a piece of content moves through the various stages of development (approved, rejected, parked, unassigned, assigned and untitled, titled, approved for publishing, parked for publishing)
TC-02-6	A content writer can send a message to a specific user
TC-02-7	A content writer can receive message from other users
TC-02-8	A content writer can track his/her own success rate by the draft to approved title conversion ratio
TC-02-9	Content writer logs out of the system and ends their current session
TC-03 Content writer draft board tests	
TC-03-1	content writer can create a new draft and add details, notes, and tags
TC-03-2	content writer can modify a draft
TC-03-3	content writer can remove a draft
TC-03-4	content writer can view a draft's details: draft ID, creator, type, vertical, description, time created, last time modified, URL, buy-side network, tags
TC-03-5	When a content writer 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.
TC-04 Content writer global pitch board tests	
TC-04-1	Content writer can click on a pitch in the list to view its details: pitch ID, creator, type, vertical, description, time created, last time modified, URL, buy-side network, tags, status(new, approved, rejected, parked), upvote number
TC-04-2	Content writer can click on the upvote button to upvote a pitch they like
TC-04-3	A content writer can filter pitches by criteria such as status, creator etc
TC-04-4	A content writer can change the view of the board locally by sorting pitches in order of upvotes to identify promising pitches via crowdsourcing
TC-04-5	A content writer can export the master pitch list into a spreadsheet

TC-05 Content writer local title board tests	
TC-05-1	Content writer can make an eye-catching title for this title instance, the status of the title will change from “assigned and untitled” to “titled”
TC-05-2	Content writer can click on a title in the list to view its details: title ID, creator, assignee, type, vertical, description, time created, last time modified, URL, buy-side network, tags, status
TC-05-3	A content writer can filter titles by criteria such as status, creator etc
TC-05-4	A content writer can export the local title board list into a spreadsheet
TC-06 Admin home tests	
TC-06-1	Content writer can make an eye-catching title for this title instance, the status of the title will change from “assigned and untitled” to “titled”
TC-06-2	Content writer can click on a title in the list to view its details: title ID, creator, assignee, type, vertical, description, time created, last time modified, URL, buy-side network, tags, status
TC-06-3	A content writer can filter titles by criteria such as status, creator etc
TC-06-4	A content writer can export the local title board list into a spreadsheet
TC-06-5	Content writer can make an eye-catching title for this title instance, the status of the title will change from “assigned and untitled” to “titled”
TC-06-6	Content writer can click on a title in the list to view its details: title ID, creator, assignee, type, vertical, description, time created, last time modified, URL, buy-side network, tags, status
TC-06-7	A content writer can filter titles by criteria such as status, creator etc
TC-07 Admin global pitch board tests	
TC-07-1	Admin can click on a pitch in the list to view its details: pitch ID, creator, type, vertical, description, time created, last time modified, URL, buy-side network, tags, status (new, approved, rejected, parked), upvote number
TC-07-2	Admin can click on a pitch, change its status to approved or rejected. If two admin has different opinions, the status of the pitch is changed to “parked”
TC-07-3	Admin can filter pitches by criteria such as status, creator etc
TC-07-4	Admin can change the view of the board locally by sorting pitches in order of upvotes to identify promising pitches via crowdsourcing
TC-07-5	Admin can export the master pitch list into a spreadsheet
TC-08 Admin global title board tests	
TC-08-1	Admin can click on a title in the list to view its details: title ID, creator, assignee,

	type, vertical, description, time created, last time modified, URL, buy-side network, tags, status
TC-08-2	Admin can change the assignee of a title to a specific content writer. By default, the assignee is blank and status of the title is “unassigned and untitled”. Once assigned a writer, the status changes to “assigned”
TC-08-3	One admin needs to approve a title for production. Status changes from “titled” to “approved”. If a title is reviewed but not approved, the status changes to “parked”
TC-08-4	Admin can filter titles by criteria such as status, creator etc
TC-08-5	Admin can export the global title board list into a spreadsheet
TC-09 Admin team board tests	
TC-09-1	Admin can click on a team member and view his/her information: member name, account type(writer, admin), number of draft pitched, number of titles assigned, number of titles approved, assigned vertical, number of title needed by that vertical, success rate, contact info
TC-09-2	Admin can change a team member’s type between admin and writer
TC-10 Admin goals board tests	
TC-10-1	Admin can set a list of verticals desired for current month
TC-10-2	Admin can set a list of verticals desired for future months
TC-10-3	Admin can set the number of titles needed for each vertical, then the numbers will be summed up to be the total number of titles needed by that month
TC-10-4	Admin can assign a content writer to a vertical

3.5 Test Cases

Table 6: TC-01 Login page tests

Test Case Number	TC-01 Login page tests
Test Item	User can create a new account profile User logs into the system with a username and password
Test Priority	Must Have
Pre-conditions	None
Post-conditions	None

Input Specifications	Website
Expected Output Specifications	User can create a new account profile User logs into the system with a username and password
Pass/Fail Criteria	User cannot create a new account profile User logs into the system without a username and password or cannot log into the system without a correct username and password
Assumptions and Constraints	None
Dependencies	None
Traceability	TC-01 TC-02 (We treat use cases as the requirements.)

Table 7: TC-02 Content writer home page tests

Test Case Number	TC-02 Content writer home page tests
Test Item	View current month target and progress, View approved titles, View past month targets, View future month targets, Receive notifications, Send message, Receive message, View content success rates by draft to title conversion ratio, Logout
Test Priority	Must have
Pre-conditions	User must login and have an account
Post-conditions	None
Input Specifications	Go into our website.
Expected Output Specifications	See test item
Pass/Fail Criteria	<ul style="list-style-type: none"> Any results except the results listed below will be considered as failure: Content writer can view the total number of titles needed for this month. The desired verticals and number of titles needed by each vertical, titles approved so far. Assignee of each vertical.

	<ul style="list-style-type: none"> • Vertical assigned to this writer. • Titles assigned/worked/approved to this writer. • A content writer can view all the title created by him/her that were approved for content production. • Content writer can view targets made in past months. • Content writer can view targets set for future months. • A content writer can receive notifications as a piece of content moves through the various stages of development (approved, rejected, parked, unassigned, assigned and untitled, titled, approved for publishing, parked for publishing). • A content writer can send a message to a specific user. • A content writer can receive message from other users. • A content writer can track his/her own success rate by the draft to approved title conversion ratio. • Content writer logs out of the system and ends their current session
Assumptions and Constraints	User has logged in
Dependencies	user must have logged in
Traceability	TC-02-1, TC-02-2, TC-02-3, TC-02-4, TC-02-5, TC-02-6, TC-02-7, TC-02-8, TC-02-9

Table 8: TC-03 Content writer draft board tests

Test Case Number	TC-03 Content writer draft board tests
Test Item	<p>Create a draft</p> <p>Edit a draft</p> <p>Delete a draft</p> <p>View a draft</p> <p>Pitch a draft</p> <p>Create a draft</p> <p>Edit a draft</p> <p>Delete a draft</p> <p>View a draft</p>

Test Priority	Must have
Pre-conditions	User must login and have an account
Post-conditions	None
Input Specifications	Go into our website.
Expected Output Specifications	See test item
Pass/Fail Criteria	<ul style="list-style-type: none"> Any results except the results that listed in the table below will be considered as failure. content writer can create a new draft and add details, notes, and tags content writer can modify a draft content writer can remove a draft content writer can view a draft's details: draft ID, creator, type, vertical, description, time created, last time modified, URL, buy-side network, tags When a content writer 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 writer can create a new draft and add details, notes, and tags content writer can modify a draft content writer can remove a draft content writer can view a draft's details: draft ID, creator, type, vertical, description, time created, last time modified, URL, buy-side network, tags
Assumptions and Constraints	User has logged in
Dependencies	user must have logged in
Traceability	TC-03-1, TC-03-2, TC-03-3, TC-03-4, TC-03-5

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Table 9: TC-04 Content writer global pitch board tests

Test Case Number	TC-04 Content writer global pitch board tests
Test Item	<p>View a pitch</p> <p>Upvote a pitch</p> <p>Filter pitches by criteria</p> <p>Sort pitches by upvote</p> <p>Export global pitch board</p> <p>View a pitch</p> <p>Upvote a pitch</p> <p>Filter pitches by criteria</p> <p>Sort pitches by upvote</p>
Test Priority	Must have
Pre-conditions	User must login and have an account
Post-conditions	None
Input Specifications	Go into our website.
Expected Output Specifications	See test item
Pass/Fail Criteria	<p>Any results except the results that listed in the table below will be considered as failure.</p> <p>Content writer can click on a pitch in the list to view its details: pitch ID, creator, type, vertical, description,time created,last time modified, URL, buy-side network, tags, status(new, approved, rejected, parked), upvote number</p> <p>Content writer can click on the upvote button to upvote a pitch they like</p>

	<p>A content writer can filter pitches by criteria such as status, creator etc</p> <p>A content writer can change the view of the board locally by sorting pitches in order of upvotes to identify promising pitches via crowdsourcing</p> <p>A content writer can export the master pitch list into a spreadsheet</p> <p>Content writer can click on a pitch in the list to view its details: pitch ID, creator, type, vertical, description,time created,last time modified, URL, buy-side network, tags, status(new, approved, rejected, parked), upvote number</p> <p>Content writer can click on the upvote button to upvote a pitch they like</p> <p>A content writer can filter pitches by criteria such as status, creator etc</p> <p>A content writer can change the view of the board locally by sorting pitches in order of upvotes to identify promising pitches via crowdsourcing</p>
Assumptions and Constraints	User has logged in
Dependencies	user must have logged in
Traceability	TC-04-1, TC-04-2, TC-04-3, TC-04-4 TC-04-5

Table 10: TC-05 Content writer local title board tests

Test Case Number	TC-05 Content writer local title board tests
Test Item	<p>Edit a title</p> <p>View a title</p> <p>Filter titles by criteria</p> <p>Export local title board</p>

	Edit a title View a title Filter titles by criteria Export local title board Edit a title
Test Priority	Must have
Pre-conditions	User must login and have an account
Post-conditions	None
Input Specifications	Go into our website.
Expected Output Specifications	See test item
Pass/Fail Criteria	<p>Any results except the results that listed in the table below will be considered as failure.</p> <p>Content writer can make an eye-catching title for this title instance, the status of the title will change from “assigned and untitled” to “titled”</p> <p>Content writer can click on a title in the list to view its details: title ID, creator, assignee, type, vertical, description, time created, last time modified, URL, buy-side network, tags, status</p> <p>A content writer can filter titles by criteria such as status, creator etc</p> <p>A content writer can export the local title board list into a spreadsheet</p> <p>Content writer can make an eye-catching title for this title instance, the status of the title will change from “assigned and untitled” to “titled”</p> <p>Content writer can click on a title in the list to view its details: title ID, creator, assignee, type, vertical, description, time created, last time modified, URL, buy-side network, tags,</p>

	<p>status</p> <p>A content writer can filter titles by criteria such as status, creator etc</p> <p>A content writer can export the local title board list into a spreadsheet</p> <p>Content writer can make an eye-catching title for this title instance, the status of the title will change from “assigned and untitled” to “titled”</p>
Assumptions and Constraints	User has logged in
Dependencies	user must have logged in
Traceability	TC-05-1, TC-05-2, TC-05-3, TC-05-4

Table 11: TC-06 Admin home page tests

Test Case Number	TC-06 Admin home page tests
Test Item	<p>View current month target and progress</p> <p>View past month targets</p> <p>View future month targets</p> <p>Receive notifications</p> <p>Send message</p> <p>Receive message</p> <p>Logout</p> <p>View current month target and progress</p> <p>View past month targets</p>
Test Priority	Must have
Pre-conditions	User must login and have an account

Post-conditions	None
Input Specifications	Go into our website.
Expected Output Specifications	See test item
Pass/Fail Criteria	<p>Any results except the results that listed in the table below will be considered as failure.</p> <p>Admin can view the target number of titles needed for this month and progress(number of approved / still needed). The desired verticals, number of titles needed by each vertical, assignee of each vertical, progress of each vertical (titles approved / needed)</p> <p>Admin can view targets made in past months</p> <p>Admin can view targets set for future months</p> <p>Admin can receive notifications as a piece of content moves through the various stages of development (approved, rejected, parked, unassigned, assigned and untitled, titled, approved for publishing, parked for publishing)</p> <p>Admin can send a message to a specific user</p> <p>Admin writer can receive message from other users</p> <p>Admin logs out of the system and ends their current session</p> <p>Admin can view the target number of titles needed for this month and progress(number of approved / still needed). The desired verticals, number of titles needed by each vertical, assignee of each vertical, progress of each vertical (titles approved / needed)</p> <p>Admin can view targets made in past months</p>
Assumptions and Constraints	User has logged in
Dependencies	user must have logged in
Traceability	TC-06-1, TC-06-2, TC-06-3, TC-06-4, TC-06-5, TC-06-6,

	TC-06-7
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Table 12: TC-07 Admin global pitch board tests

Test Case Number	TC-07 Admin global pitch board tests
Test Item	<p>View a pitch</p> <p>Approve/reject a pitch</p> <p>Filter pitches by criteria</p> <p>Sort pitches by upvote</p> <p>Export global pitch board</p> <p>View a pitch</p> <p>Approve/reject a pitch</p> <p>Filter pitches by criteria</p> <p>Sort pitches by upvote</p>
Test Priority	Must have
Pre-conditions	User must login and have an account
Post-conditions	None
Input Specifications	Go into our website.
Expected Output Specifications	See test item
Pass/Fail Criteria	<p>Any results except the results that listed in the table below will be considered as failure.</p> <p>Admin can click on a pitch in the list to view its details: pitch ID, creator, type, vertical, description,time created,last time modified, URL, buy-side network, tags, status(new, approved, rejected, parked), upvote number</p>

	<p>Admin can click on a pitch, change its status to approved or rejected. If two admin has different opinions, the status of the pitch is changed to “parked”</p> <p>Admin can filter pitches by criteria such as status, creator etc</p> <p>Admin can change the view of the board locally by sorting pitches in order of upvotes to identify promising pitches via crowdsourcing</p> <p>Admin can export the master pitch list into a spreadsheet</p> <p>Admin can click on a pitch in the list to view its details: pitch ID, creator, type, vertical, description,time created,last time modified, URL, buy-side network, tags, status(new, approved, rejected, parked), upvote number</p> <p>Admin can click on a pitch, change its status to approved or rejected. If two admin has different opinions, the status of the pitch is changed to “parked”</p> <p>Admin can filter pitches by criteria such as status, creator etc</p> <p>Admin can change the view of the board locally by sorting pitches in order of upvotes to identify promising pitches via crowdsourcing</p>
Assumptions and Constraints	User has logged in
Dependencies	user must have logged in
Traceability	TC-07-1, TC-07-2, TC-07-3, TC-07-4, TC-07-5

Table 13: TC-08 Admin global title board tests

Test Case Number	TC-08 Admin global title board tests
Test Item	<p>View a title</p> <p>Assign a title to content writer</p> <p>Approve a title</p>

	<p>Filter titles by criteria</p> <p>Export global title list</p> <p>View a title</p> <p>Assign a title to content writer</p> <p>Approve a title</p> <p>Filter titles by criteria</p>
Test Priority	Must have
Pre-conditions	User must login and have an account
Post-conditions	None
Input Specifications	Go into our website.
Expected Output Specifications	See test item
Pass/Fail Criteria	<p>Any results except the results that listed in the table below will be considered as failure.</p> <p>Admin can click on a title in the list to view its details: title ID, creator, assignee, type, vertical, description, time created, last time modified, URL, buy-side network, tags, status</p> <p>Admin can change the assignee of a title to a specific content writer. By default, the assignee is blank and status of the title is “unassigned and untitled”. Once assigned a writer, the status changes to “assigned”</p> <p>One admin needs to approve a title for production. Status changes from “titled” to “approved”. If a title is reviewed but not approved, the status changes to “parked”</p> <p>Admin can filter titles by criteria such as status, creator etc</p> <p>Admin can export the global title board list into a spreadsheet</p> <p>Admin can click on a title in the list to view its details: title ID, creator, assignee, type, vertical, description, time created, last</p>

	<p>time modified, URL, buy-side network, tags, status</p> <p>Admin can change the assignee of a title to a specific content writer. By default, the assignee is blank and status of the title is “unassigned and untitled”. Once assigned a writer, the status changes to “assigned”</p> <p>One admin needs to approve a title for production. Status changes from “titled” to “approved”. If a title is reviewed but not approved, the status changes to “parked”</p> <p>Admin can filter titles by criteria such as status, creator etc</p>
Assumptions and Constraints	User has logged in
Dependencies	user must have logged in
Traceability	TC-08-1, TC-08-2, TC-08-3, TC-08-4, TC-08-5

Table 14: TC-09 Admin team board page

Test Case Number	Table 14 TC-09 Admin team board page
Test Item	<p>View a team member details</p> <p>Change a team member’s type</p>
Test Priority	Must have
Pre-conditions	User must login and have an account
Post-conditions	None
Input Specifications	Go into our website.
Expected Output Specifications	See test item

Pass/Fail Criteria	<p>Any results except the results that listed in the table below will be considered as failure.</p> <p>Admin can click on a team member and view his/her information: member name, account type(writer, admin), number of draft pitched, number of titles assigned, number of titles approved, assigned vertical, number of title needed by that vertical, success rate, contact info</p> <p>Admin can change a team member's type between admin and writer</p>
Assumptions and Constraints	User has logged in
Dependencies	user must have logged in
Traceability	TC-09-1, TC-09-2

Table 15: TC-10 Admin goals board tests

Test Case Number	Table 15 TC-10 Admin goals board tests
Test Item	<p>Set target verticals for current month</p> <p>Set target verticals for future months</p> <p>Set target number of titles needed for each vertical</p> <p>Assign vertical to content writers</p>
Test Priority	Must have
Pre-conditions	User must login and have an account
Post-conditions	None
Input Specifications	Go into our website.
Expected Output Specifications	See test item

Pass/Fail Criteria	<p>Any results except the results that listed in the table below will be considered as failure.</p> <p>Admin can set a list of verticals desired for current month</p> <p>Admin can set a list of verticals desired for future months</p> <p>Admin can set the number of titles needed for each vertical, then the numbers will be summed up to be the total number of titles needed by that month</p> <p>Admin can assign a content writer to a vertical</p>
Assumptions and Constraints	User has logged in
Dependencies	user must have logged in
Traceability	TC-10-1, TC-10-2, TC-10-3, TC-10-4

4. Resources and schedule

Team 3 has a dedicated tester to oversee validation and testing of the system. The scheduling for testing is based on developmental increments. Everytime a functionality is completed, the tester will conduct a thorough testing for it. Developers are also responsible to implement unittest for his code increment along the development phase.

4.1 Resources

- unittests for each function written by developer
- Integration tests conducted by the tester
- Budget provided by client to purchase mLab and AWS service
- Test data(user account info, idea info) generated by tester
- Browsers installed on computers for the web app testing environment

4.2 Staffing and Training Needs

Table 16: Staffing and training needs

Type	Stakeholders	Skills	Training
Managing	Xizhao Deng	Python, management, technical writing	React

Designing	Michael Russo	Flask, React, Node.JS, AWS, MongoDB, UML diagram, HTML, CSS, UI design, mLab, Swagger UI	None
Preparing	Jingzhou Hong	Python, HTML, web development, database, Javascript	None
Executing	Yiming Zhang	Flask, React, Node.JS, AWS, MongoDB, UML diagram, HTML, CSS, UI design, Material, AWS	None
Witnessing	Fan Zhang & Josh Bendigo	Mock, postman	None
Testing	Guancheng Liu	Mock	None
Resolving	Shenghao Tang	Python, Flask, Mock	None

4.3 Schedule

Table 17: Testing Schedule

Date	Test Identifier	Responsible person	Resources	Training needs
Mid Nov	TC-01-01, TC-01-02	Fan Zhang	Report test data sets, unittest	N/A
Mid Nov	TC-02-1, TC-02-2, TC-02-3, TC-02-4, TC-02-5, TC-02-6, TC-02-7, TC-02-8, TC-02-9	Guancheng Liu	Report test data sets, unittest	N/A
Mid Nov	TC-03-1, TC-03-2,	Yiming Zhang	Report test data sets,	N/A

	TC-03-3, TC-03-4, TC-03-5		unittest	
Mid Nov	TC-04-1, TC-04-2, TC-04-3, TC-04-4 TC-04-5	Shenghao Tang	Report test data sets, unittest	N/A
Mid Nov	TC-05-1, TC-05-2, TC-05-3, TC-05-4	Fan Zhang	Report test data sets, unittest	N/A
Mid Nov	TC-06-1, TC-06-2, TC-06-3, TC-06-4, TC-06-5, TC-06-6, TC-06-7	Guancheng Liu	Report test data sets, unittest	N/A
Mid Nov	TC-07-1, TC-07-2, TC-07-3, TC-07-4, TC-07-5	Yiming Zhang	Report test data sets, unittest	N/A
Mid Nov	TC-08-1, TC-08-2, TC-08-3, TC-08-4, TC-08-5	Jinzhou Hong	Report test data sets, unittest	N/A
Mid Nov	TC-09-1, TC-09-2	Guancheng Liu	Report test data sets, unittest	N/A
Mid Nov	TC-10-1, TC-10-2, TC-10-3, TC-10-4	Fan Zhang	Report test data sets, unittest	N/A