Test Plan and Cases (TPC)

**Discovery Tool**

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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.
* **transplie** - 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 |

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## 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 | * 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. * 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 | |  | | --- | | Create a draft | | Edit a draft | | Delete a draft | | View a draft | | Pitch a draft | | Create a draft | | Edit a draft | | Delete a draft | | View a draft | |
| 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 | * 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 |

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

|  |  |
| --- | --- |
| Test Case Number | TC-04 Content writer global pitch board tests |
| Test Item | |  | | --- | | View a pitch | | Upvote a pitch | | Filter pitches by criteria | | Sort pitches by upvote | | Export global pitch board | | View a pitch | | Upvote a pitch | | Filter pitches by criteria | | Sort pitches by upvote | |
| 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 | Any results except the results that listed in the table below will be considered as failure.   |  | | --- | | 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 | | Content writer can click on the upvote button to upvote a pitch they like | | A content writer can filter pitches by criteria such as status, creator etc | | A content writer can change the view of the board locally by sorting pitches in order of upvotes to identify promising pitches via crowdsourcing | | A content writer can export the master pitch list into a spreadsheet | | 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 | | Content writer can click on the upvote button to upvote a pitch they like | | A content writer can filter pitches by criteria such as status, creator etc | | A content writer can change the view of the board locally by sorting pitches in order of upvotes to identify promising pitches via crowdsourcing | |
| 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 | |  | | --- | | Edit a title | | View a title | | Filter titles by criteria | | Export local title board | | 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 | Any results except the results that listed in the table below will be considered as failure.   |  | | --- | | 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” | | 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 | | A content writer can filter titles by criteria such as status, creator etc | | A content writer can export the local title board list into a spreadsheet | | 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” | | 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 | | A content writer can filter titles by criteria such as status, creator etc | | A content writer can export the local title board list into a spreadsheet | | 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” | |
| 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 | |  | | --- | | View current month target and progress | | View past month targets | | View future month targets | | Receive notifications | | Send message | | Receive message | | Logout | | View current month target and progress | | View past month targets | |
| 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 | Any results except the results that listed in the table below will be considered as failure.   |  | | --- | | 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) | | Admin can view targets made in past months | | Admin can view targets set for future months | | 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) | | Admin can send a message to a specific user | | Admin writer can receive message from other users | | Admin logs out of the system and ends their current session | | 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) | | Admin can view targets made in past months | |
| 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 |

Table 12: TC-07 Admin global pitch board tests

|  |  |
| --- | --- |
| Test Case Number | TC-07 Admin global pitch board tests |
| Test Item | |  | | --- | | View a pitch | | Approve/reject a pitch | | Filter pitches by criteria | | Sort pitches by upvote | | Export global pitch board | | View a pitch | | Approve/reject a pitch | | Filter pitches by criteria | | Sort pitches by upvote | |
| 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 | Any results except the results that listed in the table below will be considered as failure.   |  | | --- | | 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 | | 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” | | Admin can filter pitches by criteria such as status, creator etc | | Admin can change the view of the board locally by sorting pitches in order of upvotes to identify promising pitches via crowdsourcing | | Admin can export the master pitch list into a spreadsheet | | 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 | | 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” | | Admin can filter pitches by criteria such as status, creator etc | | Admin can change the view of the board locally by sorting pitches in order of upvotes to identify promising pitches via crowdsourcing | |
| 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 | |  | | --- | | View a title | | Assign a title to content writer | | Approve a title | | Filter titles by criteria | | Export global title list | | View a title | | Assign a title to content writer | | Approve a title | | Filter titles by criteria | |
| 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 | Any results except the results that listed in the table below will be considered as failure.   |  | | --- | | 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 | | 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” | | 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” | | Admin can filter titles by criteria such as status, creator etc | | Admin can export the global title board list into a spreadsheet | | 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 | | 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” | | 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” | | Admin can filter titles by criteria such as status, creator etc | |
| 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 | |  | | --- | | View a team member details | | Change a team member’s type | |
| 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 | Any results except the results that listed in the table below will be considered as failure.   |  | | --- | | 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 | | Admin can change a team member’s type between admin and writer | |
| 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 | |  | | --- | | Set target verticals for current month | | Set target verticals for future months | | Set target number of titles needed for each vertical | | Assign vertical to content writers | |
| 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 | Any results except the results that listed in the table below will be considered as failure.   |  | | --- | | Admin can set a list of verticals desired for current month | | Admin can set a list of verticals desired for future months | | 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 | | Admin can assign a content writer to a vertical | |
| 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, TC-03-3,  TC-03-4, TC-03-5 | Yiming Zhang | Report test data sets,  unittest | N/A |
| 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 |