Test Plan and Cases (TPC)

**Discovery Tool**

**Team 3**

**Josh Bendig - IIV&V**

**Xizhao Deng - Project manager**

**Jingzhou Hong - Requirement Engineer**

**Guancheng Liu - Tester**

**Michael Russo - Prototyper**

**Shenghao Tang - Feasibility Analyst**

**Fan Zhan - Software Architect**

**Yiming Zhang - System Architect**

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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 |
| 11/19/18 | XD | 2.0 | Updated section 2, 3, 4 | Revised per client meeting and CCD feedback |

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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 contributors 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 following techniques:

* 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-02 Content contributor dashboard tests** | Testing, Demonstrating | TC-02-1, TC-02-2, TC-02-3,  TC-02-4, TC-02-5 |
| **TC-03 Content contributor draft board tests** | Testing, Demonstrating | TC-03-1, TC-03-2, TC-03-3,  TC-03-4, TC-03-5 |
| **TC-04 Content contributor global pitch board tests** | Testing, Demonstrating | TC-04-1, TC-04-2 |
| **TC-05 Admin dashboard tests** | Testing, Demonstrating | TC-05-1, TC-05-2, TC-05-3, TC-05-4 |
| **TC-06 Admin global pitch board tests** | Testing, Demonstrating | TC-06-1, TC-06-2, TC-06-3, TC-06-4 |
| **TC-07 Admin team board tests** | Testing, Demonstrating | TC-07-1, TC-07-2, TC-07-3, TC-07-4 |
| **TC-08 Super admin dashboard tests** | Testing, Demonstrating | TC-08-1, TC-08-2, TC-08-3, TC-08-4 |
| **TC-09 Super admin global pitch board tests** | Testing, Demonstrating | TC-09-1, TC-09-2, TC-09-3  TC-09-4 |
| **TC-10 Super admin weekly publishing calendar tests** | Testing, Demonstrating | TC-10-1, TC-10-2, TC-10-3, TC-10-4 |
| **TC-11 Super admin parking board tests** | Testing, Demonstrating | TC-11-1, TC-11-2, TC-11-3, TC-11-4 |
| **TC-12 Super admin team board tests** | Testing, Demonstrating | TC-12-1, TC-12-2, TC-12-3, TC-12-4 |
| **TC-13 Super admin goals board tests** | Testing, Demonstrating | TC-13-1, TC-13-2, TC-13-3 |

# 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 | Login |
| **TC-02 Content contributor dashboard tests** | |
| TC-02-1 | View current week goal and progress |
| TC-02-2 | View past week goals |
| TC-02-3 | View future week goals |
| TC-02-4 | View individual performance |
| TC-02-5 | Logout |
| **TC-03 Content contributor 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 contributor global pitch board tests** | |
| TC-04-1 | View a pitch |
| TC-04-2 | Filter pitches by criteria |
| **TC-05 Admin dashboard tests** | |
| TC-05-1 | View current week goal and progress |
| TC-05-2 | View past week goals |
| TC-05-3 | View future week goals |
| TC-05-4 | Logout |
| **TC-06 Admin global pitch board tests** | |
| TC-06-1 | View a pitch |
| TC-06-2 | Approve/reject a pitch |
| TC-06-3 | Filter pitches by criteria |
| TC-06-4 | Edit a pitch |
| **TC-07 Admin team board tests** | |
| TC-07-1 | View team member details |
| TC-07-2 | Change a team member’s account type |
| TC-07-3 | Create a new user |
| TC-07-4 | Delete an existing user |
| **TC-08 Super admin dashboard tests** | |
| TC-08-1 | View current week goal and progress |
| TC-08-2 | View past week goals |
| TC-08-3 | View future week goals |
| TC-08-4 | Logout |
| **TC-9 Super admin global pitch board tests** | |
| TC-09-1 | View a pitch |
| TC-09-2 | Approve/reject a pitch |
| TC-09-3 | Filter pitches by criteria |
| TC-09-4 | Edit a pitch |
| **TC-10 Super admin weekly publishing calendar tests** | |
| TC-10-1 | View a pitch |
| TC-10-2 | Edit a pitch |
| TC-10-3 | Filter pitches by criteria |
| TC-10-4 | Export pitch to CSV |
| **TC-11 Super admin parking board tests** | |
| TC-11-1 | View a pitch |
| TC-11-2 | Edit a pitch |
| TC-11-3 | Filter pitch by criteria |
| TC-11-4 | Change pitch status from parked to approved and move to publishing calendar |
| **TC-12 Super admin team board tests** | |
| TC-12-1 | View team member details |
| TC-12-2 | Change a team member’s account type |
| TC-12-3 | Create a new user |
| TC-12-4 | Delete an existing user |
| **TC-13 Super admin goals board tests** | |
| TC-13-1 | Set goals for current week |
| TC-13-2 | Set goals for future week |
| TC-13-3 | Check past weeks’ goals |

## 3.2 Test Level

Table 3: Test Level

|  |  |
| --- | --- |
| **Test Identifier** | **Test level** |
| TC-01 Login page tests | Software item level |
| TC-02 Content contributor dashboard tests | Software item level |
| TC-03 Content contributor draft board tests | Software item level |
| TC-04 Content contributor global pitch board tests | Software item level |
| TC-05 Admin dashboard tests | Software item level |
| TC-06 Admin global pitch board tests | Software item level |
| TC-07 Admin team board tests | Software item level |
| TC-08 Super admin dashboard tests | Software item level |
| TC-09 Super admin global pitch board tests | Software item level |
| TC-10 Super admin weekly publishing calendar tests | Software item level |
| TC-11 Super admin parking board tests | Software item level |
| TC-12 Super admin team board tests | Software item level |
| TC-13 Super 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 contributor dashboard tests | Erroneous test |
| TC-03 Content contributor draft board tests | Erroneous test |
| TC-04 Content contributor global pitch board tests | Erroneous test |
| TC-05 Admin dashboard tests | Erroneous test |
| TC-06 Admin global pitch board tests | Erroneous test |
| TC-07 Admin team board tests | Erroneous test |
| TC-08 Super admin dashboard tests | Erroneous test |
| TC-09 Super admin global pitch board tests | Erroneous test |
| TC-10 Super admin weekly publishing calendar tests | Erroneous test |
| TC-11 Super admin parking board tests | Erroneous test |
| TC-12 Super admin team board tests | Erroneous test |
| TC-13 Super 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 logs into the system with a username and password |
| **TC-02 Content contributor dashboard tests** | |
| TC-02-1 | Content contributor can view the total number of pitches needed for this week. The desired verticals and number of pitch needed by each vertical, and pitches submitted for each vertical so far |
| TC-02-2 | Content contributor can view goals made in past weeks |
| TC-02-3 | Content contributor can view goals set for future weeks |
| TC-02-4 | Content contributor can view his/her own performance |
| TC-02-5 | Content contributor logs out of the system and ends their current session |
| **TC-03 Content contributor draft board tests** | |
| TC-03-1 | Content contributor can create a new draft and add details |
| TC-03-2 | Content contributor can modify a draft |
| TC-03-3 | Content contributor can remove a draft |
| TC-03-4 | Content 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) |
| TC-03-5 | 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. |
| **TC-04 Content contributor global pitch board tests** | |
| TC-04-1 | Content contributor can click on a pitch in the list to view its 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) |
| TC-04-2 | Content contributor can filter pitches by criterias such as time created |
| **TC-05 Admin dashboard tests** | |
| TC-05-1 | Admin can view overall project progress, goal verticals, number of pitch needed by each vertical, progress of each vertical (pitch approved / needed). |
| TC-05-2 | Admin can view goals made in past weeks |
| TC-05-3 | Admin can view goals set for future weeks |
| TC-05-4 | Admin logs out of the system and ends their current session |
| **TC-06 Admin global pitch board tests** | |
| TC-06-1 | 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 |
| TC-06-2 | 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 |
| TC-06-3 | Admin can filter pitches by criteria such as status, creator etc |
| TC-06-4 | Admin can edit the pitch in the global pitch board page |
| **TC-07 Admin team board tests** | |
| TC-07-1 | 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) |
| TC-07-2 | Admin can change a team member’s type between admin and contributor |
| TC-07-3 | Admin can create a new admin or contributor account |
| TC-07-4 | Admin can delete an existing account |
| **TC-08 Super admin dashboard tests** | |
| TC-08-1 | 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 |
| TC-08-2 | Super admin can view goals made in past weeks |
| TC-08-3 | Super admin can view goals set for future weeks |
| TC-08-4 | Super admin logs out of the system and ends their current session |
| **TC-09 Super admin global pitch board tests** | |
| TC-09-1 | 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 |
| TC-09-2 | 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 |
| TC-09-3 | Super admin can filter pitches by criteria such as status, creator etc |
| TC-09-4 | Super admin can edit the pitch in the global pitch board page |
| **TC-10 Super admin weekly publishing calendar tests** | |
| TC-10-1 | 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) |
| TC-10-2 | Super admin can edit the pitch in the Weekly publishing calendar page |
| TC-10-3 | Super admin can filter pitches by criteria such as status, creator etc |
| TC-10-4 | Super admin can export the weekly publishing calendar into CSV file |
| **TC-11 Super admin parking board tests** | |
| TC-11-1 | 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) |
| TC-11-2 | Super admin can edit the pitch in the parking board |
| TC-11-3 | Super admin can filter pitches by criteria such as status, creator etc |
| TC-11-4 | 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) |
| **TC-12 Super admin team board tests** | |
| TC-12-1 | 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) |
| TC-12-2 | Super admin can change a team member’s type between admin and contributor |
| TC-12-3 | Super admin can create a new admin or contributor account |
| TC-12-4 | Super admin can delete an existing account |
| **TC-13 Super admin goals board tests** | |
| TC-13-1 | 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. |
| TC-13-2 | Super admin can set a list of goals desired for future weeks |
| TC-13-3 | Super admin can select a week in history and check its goals |

## 3.5 Test Cases

Table 6: TC-01 Login page tests

|  |  |
| --- | --- |
| Test Case Number | TC-01 Login page tests |
| Test Item | 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 logs into the system with a username and password |
| Pass/Fail Criteria | 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 (We treat use cases as the requirements. ) |

Table 7: TC-02 Content contributor dashboard tests

|  |  |
| --- | --- |
| Test Case Number | TC-02 Content contributor dashboard tests |
| Test Item | View current week goal and progress, view past week goals, view future week goals, view individual performance, logout |
| Test Priority | Must have |
| Pre-conditions | User must have logged in and have a contributor account type |
| Post-conditions | None |
| Input Specifications | Go onto the web app |
| Expected Output Specifications | See test item |
| Pass/Fail Criteria | Any results except the results listed below will be considered as failure: Content contributor can view the total number of pitches needed for this week.   * The desired verticals and number of pitches needed by each vertical, pitches approved so far. * Vertical assigned to this contributor. * A content contributor can view all the pitches created by him/her that were submitted/approved for content production. * Content contributor can view goals made in past weeks. * Content contributor can view goals set for future weeks. * Content contributor logs out of the system and ends their current session |
| Assumptions and Constraints | User has logged in and has a contributor account |
| Dependencies | User must have logged in |
| Traceability | TC-02-1, TC-02-2, TC-02-3,  TC-02-4, TC-02-5 |

Table 8: TC-03 Content contributor draft board tests

|  |  |
| --- | --- |
| Test Case Number | TC-03 Content contributor draft board tests |
| Test Item | Create a draft  Edit a draft  Delete a draft  View a draft  Pitch a draft |
| Test Priority | Must have |
| Pre-conditions | User must login and have a contributor account |
| Post-conditions | None |
| Input Specifications | Go onto the web app |
| 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 contributor can create a new draft and add details, notes, and tags * content contributor can modify a draft * content contributor can remove a draft * content contributor can view a draft’s details: draft ID, creator, type, vertical, description, time created, last time modified, URL, buy-side network * When a content 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. |
| 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 contributor global pitch board tests

|  |  |
| --- | --- |
| Test Case Number | TC-04 Content contributor global pitch board tests |
| Test Item | View a pitch  Filter pitches by criteria |
| Test Priority | Must have |
| Pre-conditions | User must login and have an account |
| Post-conditions | None |
| Input Specifications | Go onto the web app |
| 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.   * 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 * Contributor can filter pitches by criteria such as status, creator etc |
| Assumptions and Constraints | User has logged in |
| Dependencies | User must have logged in |
| Traceability | TC-04-1, TC-04-2 |

Table 10: TC-05 Admin dashboard tests

|  |  |
| --- | --- |
| Test Case Number | TC-05 Admin dashboard tests |
| Test Item | View current week goal and progress  view past week goals  view future week goals  logout |
| Test Priority | Must have |
| Pre-conditions | User must have logged in and have an admin account type |
| Post-conditions | None |
| Input Specifications | Go onto the web app |
| Expected Output Specifications | See test item |
| Pass/Fail Criteria | Any results except the results listed below will be considered as failure: Content contributor can view the total number of pitches needed for this week.   * The desired verticals and number of pitches needed by each vertical, pitches approved so far. * Content admin can view goals made in past weeks. * Content admin can view goals set for future weeks. * Content admin logs out of the system and ends their current session |
| Assumptions and Constraints | User has logged in and has an admin account |
| Dependencies | User must have logged in |
| Traceability | TC-05-1, TC-05-2, TC-05-3, TC-05-4 |

Table 11: TC-06 Admin global pitch board tests

|  |  |
| --- | --- |
| Test Case Number | TC-06 Admin global pitch board tests |
| Test Item | View a pitch  Approve/reject a pitch  Filter pitches by criteria  Edit a pitch |
| Test Priority | Must have |
| Pre-conditions | User must login and have an admin account |
| Post-conditions | None |
| Input Specifications | Go onto the web app |
| 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, 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 * Admin can edit the pitch in the global pitch board page * 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 * Admin can filter pitches by criteria such as status, creator etc |
| 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 |

Table 12: TC-07 Admin team board tests

|  |  |
| --- | --- |
| Test Case Number | TC-07 Admin team board tests |
| Test Item | View team member details  Change a team member’s account type  Create a new user  Delete an existing user |
| Test Priority | Must have |
| Pre-conditions | User must login and have an admin account |
| Post-conditions | None |
| Input Specifications | Go onto the web app |
| 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(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) * Admin can change a team member’s type between admin and contributor * Admin can create a new admin or contributor account * Admin can delete an existing account |
| 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 |

Table 13: TC-08 Super admin dashboard tests

|  |  |
| --- | --- |
| Test Case Number | TC-08 Super admin dashboard tests |
| Test Item | View current week goal and progress  view past week goals  view future week goals  logout |
| Test Priority | Must have |
| Pre-conditions | User must login and have an account |
| Post-conditions | None |
| Input Specifications | Go onto the web app |
| 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.   * 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 * Super admin can view goals made in past weeks * Super admin can view goals set for future weeks * Super admin 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-08-1, TC-08-2, TC-08-3, TC-08-4 |

Table 14: TC-09 Super admin global pitch board tests

|  |  |
| --- | --- |
| Test Case Number | TC-09 Super admin global pitch board tests |
| Test Item | View a pitch  Approve/reject a pitch  Filter pitches by criteria  Edit a pitch |
| Test Priority | Must have |
| Pre-conditions | User must login and have a super admin account |
| Post-conditions | None |
| Input Specifications | Go onto the web app |
| 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.   * 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 * Super admin can edit the pitch in the global pitch board page * 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 * Super admin can filter pitches by criteria such as status, creator etc |
| Assumptions and Constraints | User has logged in |
| Dependencies | User must have logged in |
| Traceability | TC-09-1, TC-09-2, TC-09-3, TC-09-4 |

Table 15: TC-10 Super admin weekly publishing calendar tests

|  |  |
| --- | --- |
| Test Case Number | TC-10 Super admin weekly publishing calendar tests |
| Test Item | View a pitch  Edit a pitch  Filter pitches by criteria  Export pitch to CSV |
| Test Priority | Must have |
| Pre-conditions | User must login and have an account |
| Post-conditions | None |
| Input Specifications | Go onto the web app |
| 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.   * 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 * Super admin can filter pitches by criteria such as status, creator etc * Super admin can export the weekly publishing calendar into CSV file |
| 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 |

Table 16: TC-11 Super admin parking board tests

|  |  |
| --- | --- |
| Test Case Number | TC-11 Super admin parking board tests |
| Test Item | View a pitch  Edit a pitch  Filter pitch by criteria  Change pitch status from parked to approved and move to publishing calendar |
| Test Priority | Must have |
| Pre-conditions | User must login and have an account |
| Post-conditions | None |
| Input Specifications | Go onto the web app |
| 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.   * 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 * 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) |
| Assumptions and Constraints | User has logged in with a super admin account |
| Dependencies | User must have logged in |
| Traceability | TC-11-1, TC-11-2, TC-11-3, TC-11-4 |

Table 17: TC-12 Super admin team board tests

|  |  |
| --- | --- |
| Test Case Number | TC-12 Super admin team board tests |
| Test Item | View team member details  Change a team member’s account type  Create a new user  Delete an existing user |
| Test Priority | Must have |
| Pre-conditions | User must login and have a super admin account |
| Post-conditions | None |
| Input Specifications | Go onto the web app |
| 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.   * 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) * Super admin can change a team member’s type between admin and contributor * Super admin can create a new admin or contributor account * Super admin can delete an existing account |
| Assumptions and Constraints | User has logged in |
| Dependencies | User must have logged in |
| Traceability | TC-12-1, TC-12-2, TC-12-3, TC-12-4 |

Table 18: TC-13 Super admin goals board tests

|  |  |
| --- | --- |
| Test Case Number | TC-13 Super admin goals board tests |
| Test Item | Set goals for current week  Set goals for future week  Check past weeks’ goals |
| Test Priority | Must have |
| Pre-conditions | User must login and have a super admin account |
| Post-conditions | None |
| Input Specifications | Go onto the web app |
| 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.   * 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. * Super admin can set a list of goals desired for future weeks * Super admin can select a week in history and check its goals |
| Assumptions and Constraints | User has logged in |
| Dependencies | User must have logged in |
| Traceability | TC-13-1, TC-13-2, TC-13-3 |

# 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 19: 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 20: Testing Schedule

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Date | Test Identifier | Responsible person | Resources | Training needs |
| Mid Nov | TC-01-01 | 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 | 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 | 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 | Guancheng Liu | Report test data sets, unittest | N/A |
| Mid Nov | TC-07-1, TC-07-2, TC-07-3, TC-07-4 | Yiming Zhang | Report test data sets, unittest | N/A |
| Mid Nov | TC-08-1, TC-08-2, TC-08-3, TC-08-4 | Jinzhou Hong | Report test data sets, unittest | N/A |
| Mid Nov | TC-09-1, TC-09-2,  TC-09-3, TC-09-4 | 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 |
| Mid Nov | TC-11-1, TC-11-2, TC-11-3, TC-11-4 | Fan Zhang | Report test data sets, unittest | N/A |
| Mid Nov | TC-12-1, TC-12-2, TC-12-3, TC-12-4 | Fan Zhang | Report test data sets, unittest | N/A |
| Mid Nov | TC-13-1, TC-13-2, TC-13-3 | Fan Zhang | Report test data sets, unittest | N/A |