Sprint #4 Review

Links

<u>Pivotal Tracker</u> <u>GitHub Repo</u> <u>Heroku Deployment</u>

Sprint Dates

November 11, 2024 - November 24, 2024

Team Information

Product Owner: Jingrui Mao

Scrum Master: Zhicheng Chen
Developer: Chi-Ming Lee
Developer: Xinyi Zhao

Developer: Kumaran Gowrisankar

Developer: Jingyuan Mu
Developer: Zhaoming Xu
Developer: Nathaniel Bright

Sprint Goal

This sprint, we focus on implementing the soft and hard rejection (e.g. void) features, along with automated email notifications for each rejection action. The soft rejection feature will allow users to reject a contract while still keeping it open for future modifications, whereas the hard rejection feature will lock the contract in a rejected state, preventing any further edits.

Additionally, whenever a contract is rejected, an email notification will be sent to inform relevant stakeholders, ensuring prompt awareness of the contract's status. We will also prioritize expanding our test coverage to thoroughly validate these new features, maintaining high reliability and system performance.

We will maintain close communication with the client throughout the sprint to ensure that our implementations align with their expectations. By the end of this sprint, our aim is to deliver a product that not only satisfies the client's current requirements but also paves the way for potential future enhancements.

Sprint Achievements

Below is the list of stories implemented:

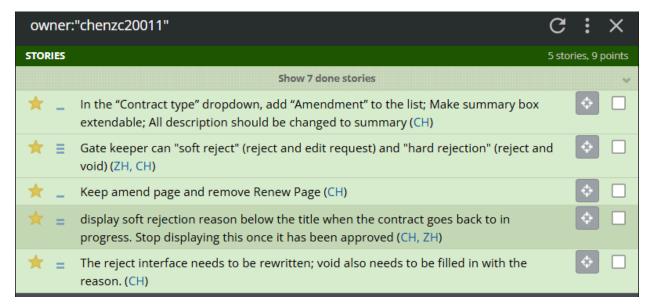
- Hard rejection for a contract (void all the amendment of a contract)
- Soft rejection reason will be displayed under Contract Title in Show Page
- Void and rejection will notify the modifier who amends the contract
- Show all the diff information before and after contract
- Renew page should be removed. Amend page should make some attributes inalterable
- Gatekeeper and User just can read the contract of their entities.
- Adding Funding Source attribute to a contract
- Add a pop up windows for modification log
- Implement File Upload functionality in Amend Page
- Prevented the expiration report from being sent to multiple recipients
- Remove amend button for level 2 user

Team Information and Individual Contributions table

Jingrui Mao (5 points)



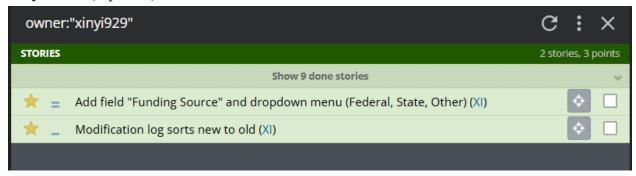
Zhicheng Chen (6.5 points)



Chi-Ming Lee (6 points)



Xinyi Zhao (3 points)



Kumaran Gowrisankar (4.5 points)



And additional 2 points for implementing rspec tests of legacy code. Jingyuan Mu (4 points)



Zhaoming Xu (6.5 points)



Nathaniel Bright (3.5 points)



User Story Points Table (All 4 sprints)

Column 1	Sprint 1	Sprint 2	Sprint 3	Sprint 4	Total	Percenta ge (98 total)
Nathaniel Bright	1	3	7	3.5	14.5	14.80%
Zhicheng Chen	0.5	1	5	6.5	13	13.27%
Kumaran Gowrisan kar	0	1.5	7	4.5	13	13.27%
Chi-Ming Lee	0	3	3	6	12	12.24%
Jingrui Mao	0	2	5	5	12	12.24%
Jingyuan Mu	0.5	1	3.5	4	9	9.18%
Zhaoming Xu	0.5	0	6	6.5	13	13.27%
Xinyi Zhao	1.5	1	6	3	11.5	11.73%
					98	100.00%

Sprint Backlogs

Added Backlogs

*	=	Add field "Funding Source" and dropdown menu (Federal, State, Other) (XI)	
*	-	Modification history should be limited to a size and be scrollable. The same for mod log && Fields changed shows user side fields not internal (contract_value -> Contract Value) (BR)	
*	-	When a contract is updated, redirect to view contract (BR)	
*	-	In the "Contract type" dropdown, add "Amendment" to the list; Make summary box extendable; All description should be changed to summary (CH)	
*	≣	add pop window to modification log (VI)	
*	-	Customer Request - End date should be optional with a check box (VI)	
*	≡	Gate keeper can "soft reject" (reject and edit request) and "hard rejection" (reject and void) (ZH, CH)	
*	=	Highlight ALL values to be changed (currently just value previews changes) (ZH)	
*	_	Modification log sorts new to old (XI)	
*	_	Keep amend page and remove Renew Page (CH)	
*	=	display soft rejection reason below the title when the contract goes back to in progress. Stop displaying this once it has been approved (CH, ZH)	
*	Ξ	Users recieve emails to edit on "soft rejection" (CH)	
*	Ξ	Implementation File Upload in the Amend Feature (BR, KU)	

* _	Search in amend contract page gets redirected to view contract page (KU)	
* _	Prevented the expiration report from being sent to multiple recipients (CH)	
* =	As a user I should not be able to edit url to inaccessible contracts (CH)	
* _	After void a contract, this contract still could be amended (ZH)	
* =	The reject interface needs to be rewritten; void also needs to be filled in with the reason. (CH)	
* -	Summay box need to show diff information after amend (ZH)	
* _	Remove amend button for level 2 user (VI)	

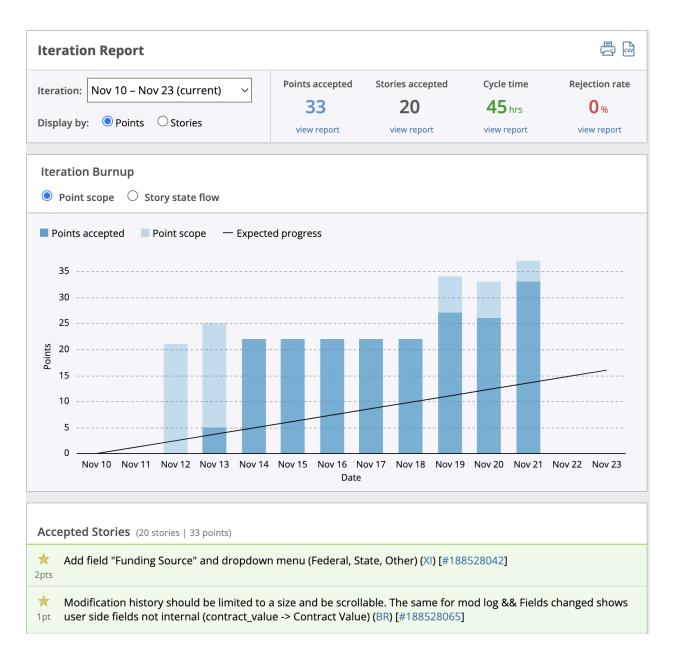
Modified Backlogs

- None

Removed Backlogs

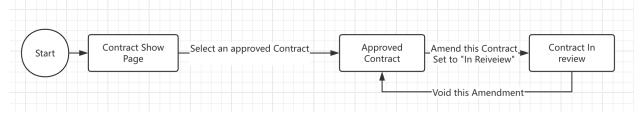
- None.

Burn Down Chart



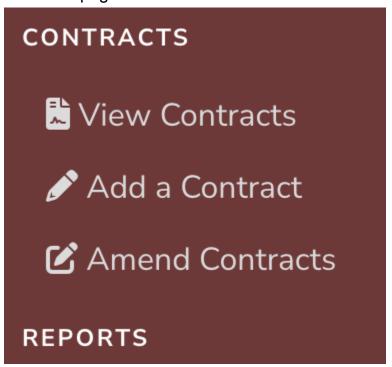
Design diagrams

1. Void Operation Logic

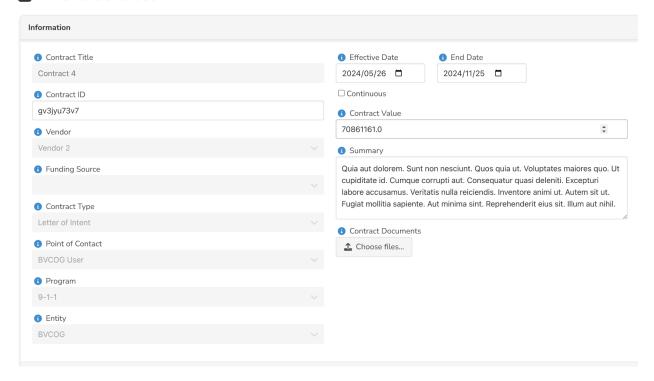


Documentation of Changes

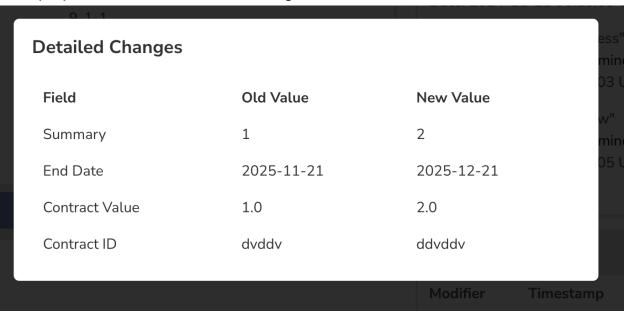
1. Renew page has been removed.



- 2. Just keep some attributes of contract can be modified in Amend page.
- Amend Contract 4

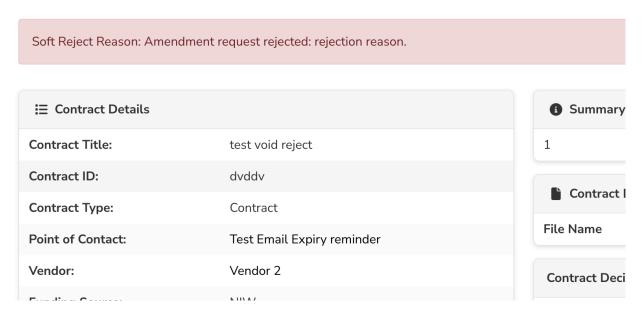


3. Pop up windows for modification logs



4. Rejection reason below the Contract Title

test void reject



5. New email template for void operation



BVCOG Contract Management System

Hello Zhicheng Chen,

This is a notification regarding your recent amendment request for the contract testdisplay. Unfortunately, your request has been voided.

Reason for void: Void Reason test###

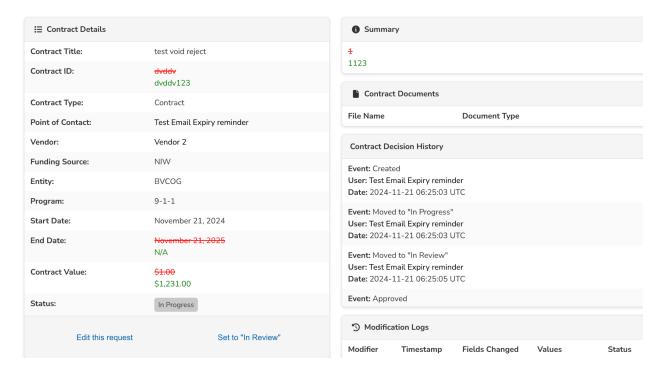
Sincerely,

BVCOG Contract Mangement System

View contract

6. Highlight ALL values changed.

test void reject



Legacy Project & Refactoring

- We have not undertaken any refactorings yet.

Evaluations of Code & Tests

Code climates and Style offences



Test coverage (bdd & tdd)

Currently, our cucumber scenarios and RSpec examples have covered all the features developed in this iteration. The image below shows the test coverage results after running our cucumber and RSpec tests.

All Files (91.88%)

All Files (91.88% covered at 3.75 hits/line)

94 files in total.

1873 relevant lines, **1721** lines covered and **152** lines missed. (91.88%)

Customer Meeting and Demonstration

Date: 11-15-2024 - 12:30 to 14:30 CDT

Place: 125 Spence St, College Station, TX 77843

Participants: All of our team members

Summary:

We demonstrated the following features to the client: **Hard Rejection**, **Modification Log** pop-up window, **Email Sending System**, and the display of **Soft Rejection Reasons**. The client was satisfied but pointed out a misunderstanding: **even if a contract is hard rejected, it can still be modified**. Additionally, the client suggested renaming **Hard Rejection** to **Void** for better clarity. Meanwhile, users other than admin users can only view contracts belonging to their own entity.

Sprint #4 Retrospective

What Went Well:

- Successfully added the "Funding Source" field with a dropdown menu including options (Federal, State, Other).
- Implemented a pop-up window for the Modification Log, providing users with a clearer view of update history.
- Implemented Void feature and rejection reason displayed under the Contract Title.
- Improved the system to highlight all values to be changed, not just previewing contract values.

- Challenges:

- Handling the distinction between "soft rejection" (editable rejection)
 and "hard rejection" (void contracts) required additional
 communication with the client to refine terminology and expected
 functionality.
- Ensuring proper linkage between contracts and amendments while maintaining a clear history posed technical and UI/UX challenges.

Lessons Learned:

- Clear and early communication with clients is essential to avoid misunderstandings, such as the editable state of hard-rejected contracts.
- Adding scoping for dropdown menus and expandable fields requires thorough testing to ensure compatibility across all contract types.

This sprint highlighted the importance of aligning client expectations with development progress and refining features to meet both functional and usability standards.