

# Sprint 3 Retrospective

All Pay Auction  
CSCE 606 - Spring 2025

March 21, 2025

## 1 Team

### 1.1 Team Roles

- Product owner: Arkan Abuyazid
- Scrum master: Steve Wang
- Developers:
  - Praewa Pitiphat
  - Ruvail Shahzad
  - Jason Le

### 1.2 Member contribution

Sprint 2 Tasks			
Tasks	Points	Assignees	Total Points
- Upload multiple images	2	Jason	8.75
- Auction Status Visibility	0.5		
- Missing buyer dashboard routing	0.25		
- Google OAuth Implementation	2		
- Improve password security	0.5		
- Email Verification	1		
- Password recovery/forgot password	1		
- Auction Image Display	0.25		
- Homepage Navigation	0.25		
- Default Auction Dates	0.5		
- Currency Formatting	0.5		
- UI Improvement	4	Steve	4
- Add isArchived flag in AuctionItem	1	Arkan	5
- Add minimum increment in auction item	1		
- Differentiate liquid and asset balances in seller	1		
- Differentiate liquid and asset balances in buyer	1		
- Add innate value of AuctionItem from Seller	1		
- User delete account	2.5	Praewa	5
- User update profile information	2.5		
- Organized all documents	-		

User stories contribution

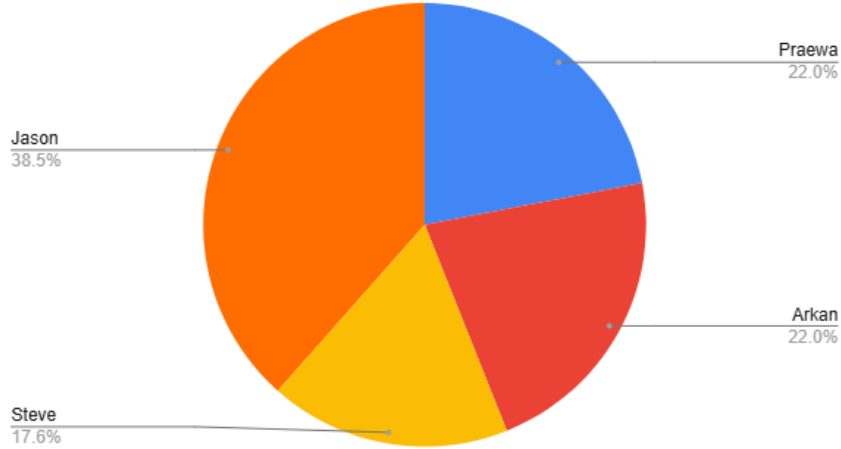


Figure 1: User Stories Contribution

## 2 Sprint

### 2.1 Date of the sprint

Sprint 3 period: 3/3-3/7

### 2.2 Sprint goal

The primary goal of this sprint is to enhance user account management and financial clarity within the auction platform. Users will gain the ability to delete their accounts and update profile information, ensuring data privacy and accuracy. Buyers will experience an improved user interface for auction navigation and the capability to add funds, facilitating active participation. Sellers and buyers will benefit from a clear separation of liquid and asset balances, providing a comprehensive view of their financial status. Sellers will also gain control over auction item details by specifying innate values and minimum bid increments, while administrators and sellers will be able to archive auction items. Finally, sellers will be empowered to settle auctions post-closure, ensuring efficient transaction completion.

### 2.3 Sprint Achievements

This sprint saw the successful implementation of several key functionalities, significantly enhancing the platform's user experience and security. Notable achievements include the ability to upload multiple images for auction items, clear visibility of auction statuses, and improved routing for buyer dashboards. Security was bolstered through Google OAuth implementation, enhanced password security, email verification, and password recovery features. User experience improvements encompassed streamlined auction image display, intuitive homepage navigation, default auction date settings, and consistent currency formatting. Backend enhancements focused on data integrity and financial clarity, with the addition of an archived flag for auction items, implementation of minimum bid increments, and clear differentiation between liquid and asset balances for both sellers and buyers. Furthermore, users now have the ability to manage their accounts with profile updates and account deletion, and significant effort was invested in organizing project documentation.

## 2.4 Sprint Backlog

Sprint 1 Tasks		
User Stories	Status	Assignees
User delete account	Completed	Praewa
User update profile information	Completed	Praewa
Various UI enhancement and QoL improvement	Completed	Steve and Jason
Differentiate liquid and asset balances in seller and buyer	Completed	Arkan
Add innate value of AuctionItem from Seller	Completed	Arkan
Add minimum increment in auction item	Completed	Arkan
Add isArchived flag in AuctionItem	Completed	Arkan
- Seller Settles the auction	Move to Sprint 4	Arkan

## 2.5 Design Diagram

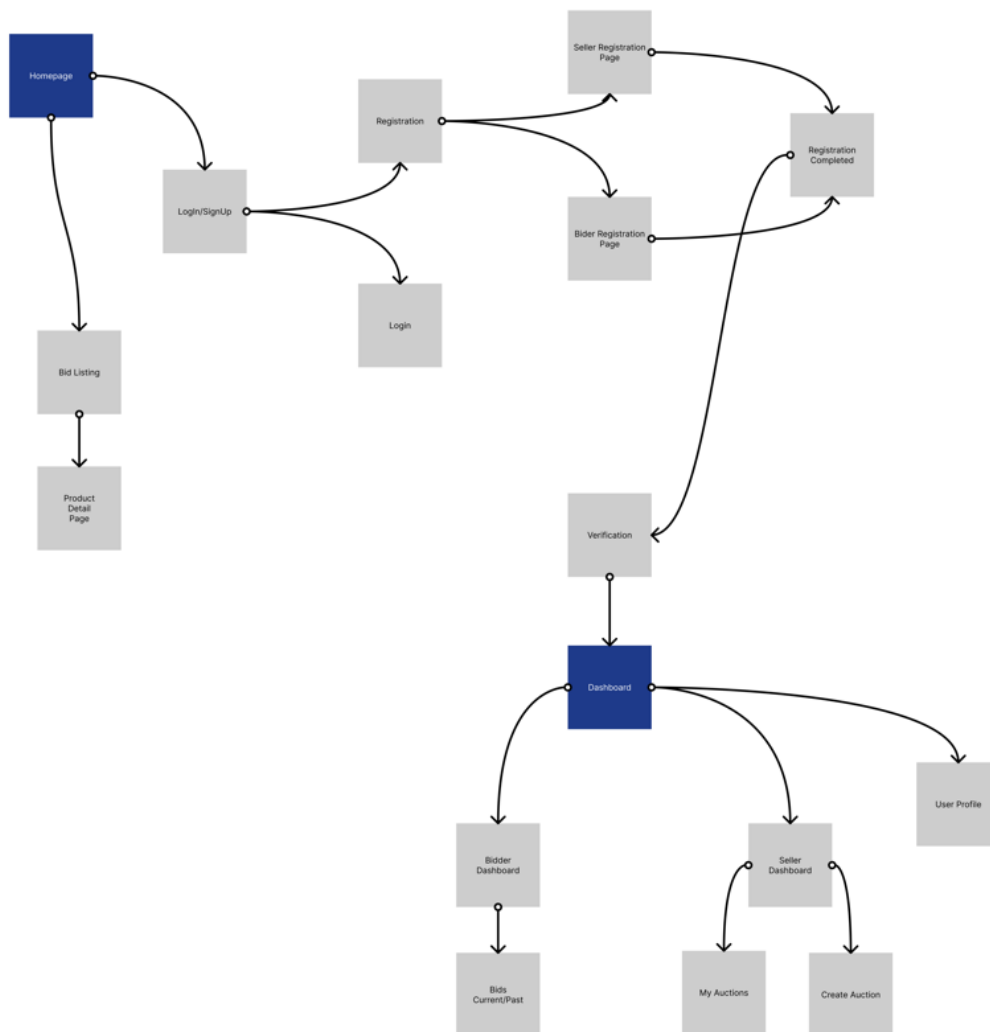


Figure 2: Design Diagram

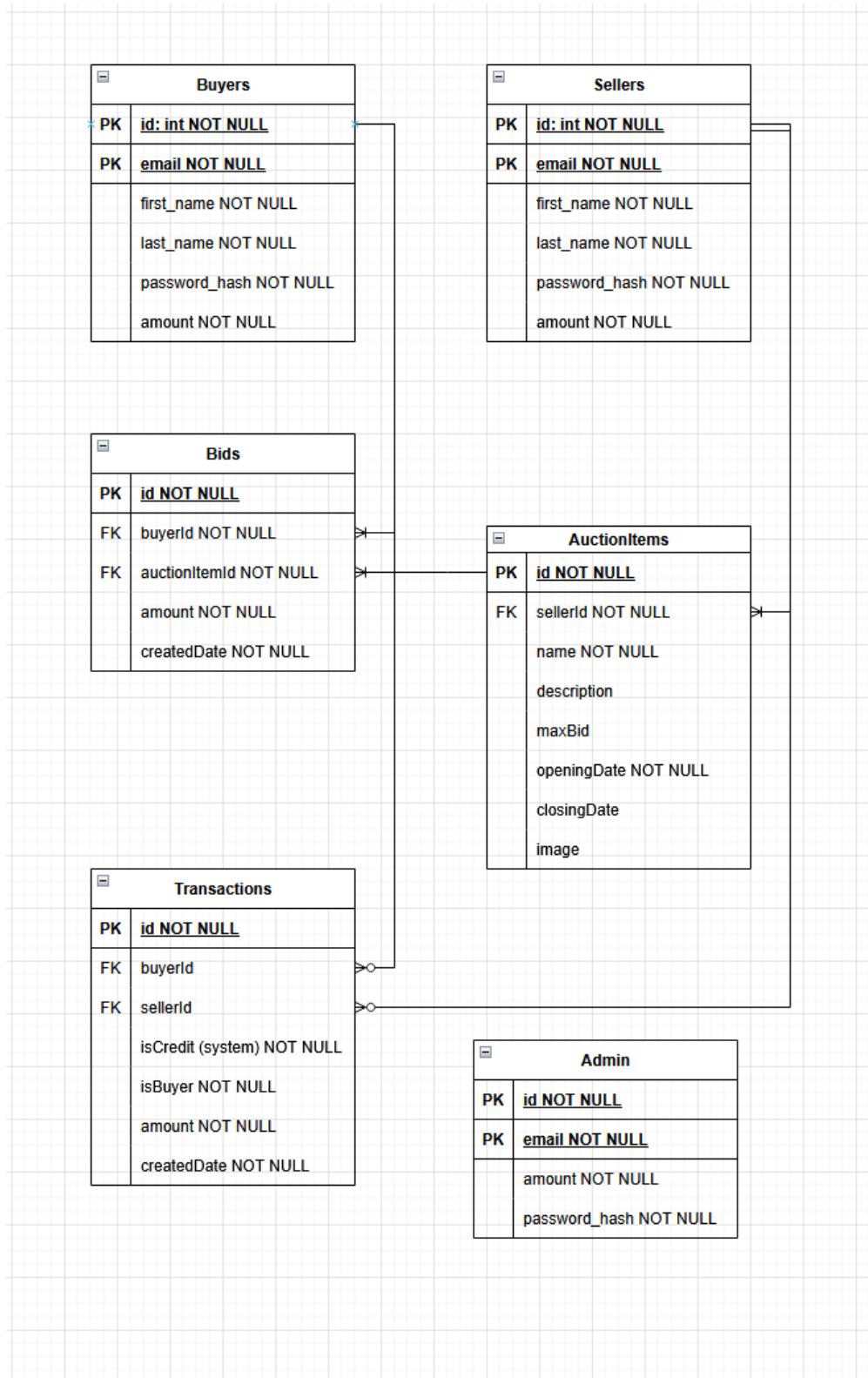


Figure 3: Database Design

## 2.6 Burndown chart

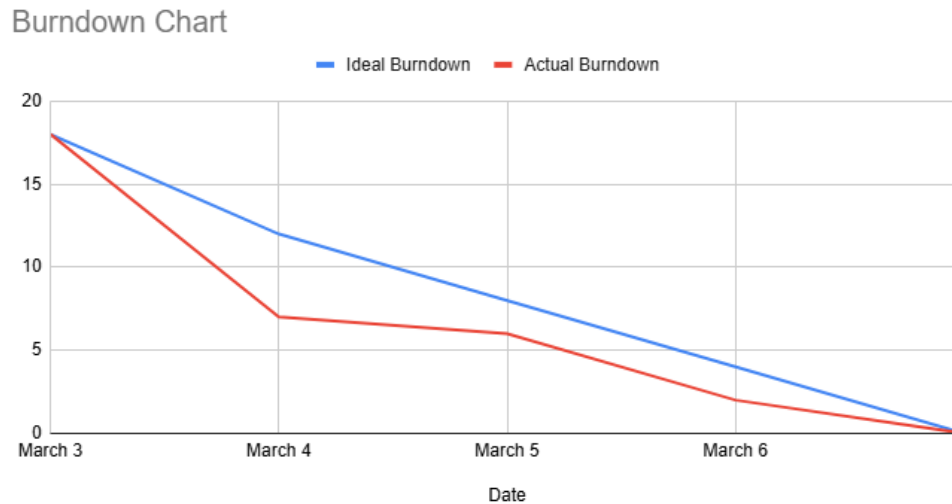


Figure 4: Burndown Chart

## 2.7 Documentation of changes

During this sprint, the team made significant progress on core auction functionalities. However, due to time constraints and the complexity of its implementation, the "Seller Settles the Auction" function has been deferred to the next sprint. This decision was made to ensure the timely delivery of other prioritized features and to allow for a more thorough and robust implementation of the settlement process, which involves intricate logic and potential edge cases.

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## 3 Customer meeting

### 3.1 Date/Time/Place

1. **Meeting 1**  
On 2/27 at 10 AM on Zoom.
2. **Meeting 2**  
On 3/6 at 10 AM on Zoom.

### 3.2 Summary of Discussion

1. **Meeting 1**  
Summary: The client meeting highlighted several key action items and provided positive feedback on the project's progress. The client requested the implementation of Google login integration, improvements to homepage navigation, stronger password verification, UI enhancements to the buyer dashboard, consistent currency formatting, proper auction image display, refined auction status visibility, direct image upload for sellers, adjusted bid terminology, and default auction date settings. They also requested additional buyer accounts for multi-account testing. Positive feedback was given on the overall design, auction screen layout, bidding flow, and the project's momentum. The primary goal is to complete full transaction functionality by Thursday, March 6th, before the upcoming break, allowing subsequent focus on the action items and remaining tasks.

## 2. Meeting 2

Summary: The second client meeting was a progress check. The client reviewed the implemented functionality and provided positive feedback.

## 4 Evaluation of code

Rubocop was executed and no offense were detected.

The team recently implemented cron jobs, reworked some implemented functions based on the client comments therefore, some prior passed tests are not working well with the new implementation (hence, the lower percentage code coverage). The team plans to fix this in the upcoming sprint.

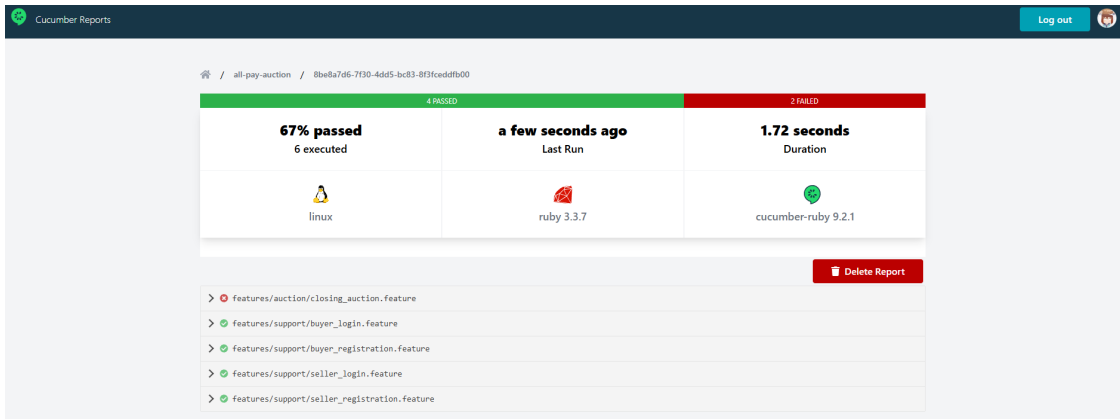


Figure 5: Cucumber Test

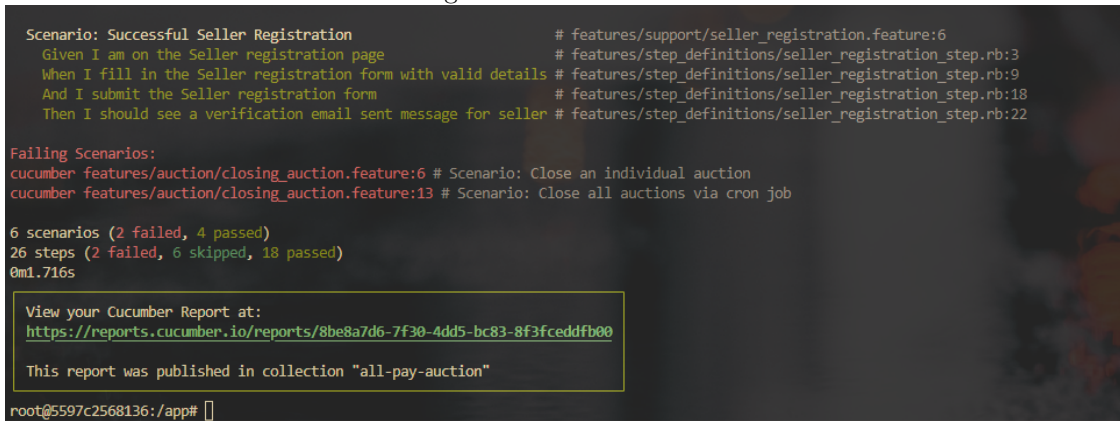


Figure 6: Cucumber Test

```
root@605d62dff5bb:/app# bundle exec rspec
.....

Deprecation Warnings:

Rails 7.1 has deprecated the singular fixture_path in favour of an array. You should migrate to plural:

If you need more of the backtrace for any of these deprecations to
identify where to make the necessary changes, you can configure
`config.raise_errors_for_deprecations!`, and it will turn the
deprecation warnings into errors, giving you the full backtrace.

1 deprecation warning total

Finished in 1.51 seconds (files took 3.52 seconds to load)
9 examples, 0 failures

root@605d62dff5bb:/app#
```

Figure 7: Rspec test

All Files ( 81.95% )

Generated less than a minute ago

## All Files ( 81.95% covered at 2.39 hits/line )

43 files in total.

532 relevant lines, 436 lines covered and 96 lines missed. ( 81.95% )

Search: 

File	% covered	Lines	Relevant Lines	Lin
app/controllers/sessions_controller.rb	46.94 %	94	49	
app/models/auction_item.rb	59.02 %	108	61	
app/controllers/auction_items_controller.rb	63.33 %	120	60	
app/mailers/user_mailer.rb	66.67 %	20	12	
app/models/buyer.rb	67.86 %	52	28	
app/models/seller.rb	73.68 %	37	19	
app/models/bid.rb	75.00 %	16	8	
app/helpers/auction_items_helper.rb	83.33 %	19	12	
app/controllers/seller_interface_controller.rb	88.89 %	30	9	
app/controllers/application_controller.rb	100.00 %	30	14	
app/controllers/home_controller.rb	100.00 %	6	2	
app/controllers/registrations_controller.rb	100.00 %	38	22	
app/controllers/static_pages_controller.rb	100.00 %	8	3	
app/helpers/application_helper.rb	100.00 %	5	1	
app/helpers/buyer_settings_helper.rb	100.00 %	2	1	
app/helpers/home_helper.rb	100.00 %	5	1	
app/helpers/registrations_helper.rb	100.00 %	5	1	
app/helpers/seller_settings_helper.rb	100.00 %	2	1	
app/helpers/sessions_helper.rb	100.00 %	5	1	
app/helpers/static_pages_helper.rb	100.00 %	5	1	
app/mailers/application_mailer.rb	100.00 %	8	3	

Figure 8: Code coverage report



File	% covered	Lines	Relevant Lines	Lin
app/models/application_record.rb	100.00 %	6	2	
app/models/transaction.rb	100.00 %	7	3	
config/environment.rb	100.00 %	7	2	
config/environments/test.rb	100.00 %	80	23	
config/initializers/assets.rb	100.00 %	16	2	
config/initializers/content_security_policy.rb	100.00 %	27	0	
config/initializers/filter_parameter_logging.rb	100.00 %	10	1	
config/initializers/inflections.rb	100.00 %	18	0	
config/initializers/omniauth.rb	100.00 %	8	3	
config/initializers/permissions_policy.rb	100.00 %	15	0	
config/routes.rb	100.00 %	74	40	
test/controllers/application_controller_test.rb	100.00 %	93	32	
test/controllers/auction_items_controller_test.rb	100.00 %	92	31	
test/controllers/home_controller_test.rb	100.00 %	11	5	
test/controllers/registrations_controller_test.rb	100.00 %	80	27	
test/controllers/sessions_controller_test.rb	100.00 %	73	34	
test/controllers/static_pages_controller_test.rb	100.00 %	17	8	
test/models/auction_item_test.rb	100.00 %	9	2	
test/models/bid_test.rb	100.00 %	9	2	
test/models/buyer_test.rb	100.00 %	9	2	
test/models/seller_test.rb	100.00 %	9	2	
test/models/transaction_test.rb	100.00 %	9	2	

Generated by simplecov v0.22.0 and simplecov-html v0.13.1  
using RSpec

Figure 9: Code coverage report

## 5 Links

1. Github Project: <https://github.com/orgs/SIRL-TAMU/projects/1>
2. Github Repository: <https://github.com/SIRL-TAMU/all-pay-auction>

3. Heroku Deployment: <https://all-pay-auction3-478f271f12bd.herokuapp.com/>

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