

Sprint 4 Retrospective

All Pay Auction
CSCE 606 - Spring 2025

April 7, 2025

1 Team Roles

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

1.1 Member contribution

Sprint 4 Tasks			
Tasks	Points	Assignees	Total Points
- Bid settlement (Automatically settle bids)	2	Arkan	5
- Seller Settles Auction (Manual finalize auction)	3	Arkan	
- Profile Settings UI Improvement	1	Praewa	2
- Add Cucumber to GitHub Actions	1	Praewa	
- Syncing Bids for multiple buyers	1	Jason	4
- JavaScript refactoring	1	Jason	
- Implement pagination for various features	2	Jason	
- Update "place bid" to consider min increment	1	Steve	6
- Add minimum increment in auction item	1	Steve	
- Adding funds to account	3	Steve	
- Buyer Dashboard UI Improvement	1	Steve	

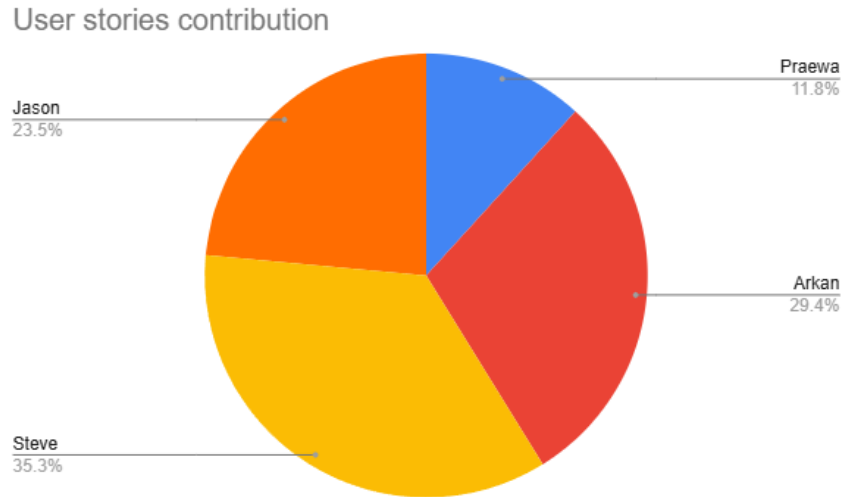


Figure 1: User Stories Contribution

2 Sprint

2.1 Date of the sprint

Sprint 4 period: 3/24-3/28

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 4 Tasks		
User Stories	Status	Assignees
- Bid settlement (Automatically settle bids)	Completed	Arkan
- Seller Settles Auction (Manual finalize auction)	Completed	Arkan
- Profile Settings UI Improvement	Completed	Praewa
- Add Cucumber to GitHub Actions	Completed	Praewa
- Syncing Bids for multiple buyers	Completed	Jason
- JavaScript refactoring	Completed	Jason
- Implement pagination for various features	Completed	Jason
- Update "place bid" to consider min increment	Completed	Steve
- Add minimum increment in auction item	Completed	Steve
- Adding funds to account	Completed	Steve
- Buyer Dashboard UI Improvement	Completed	Steve

2.5 Design Diagram

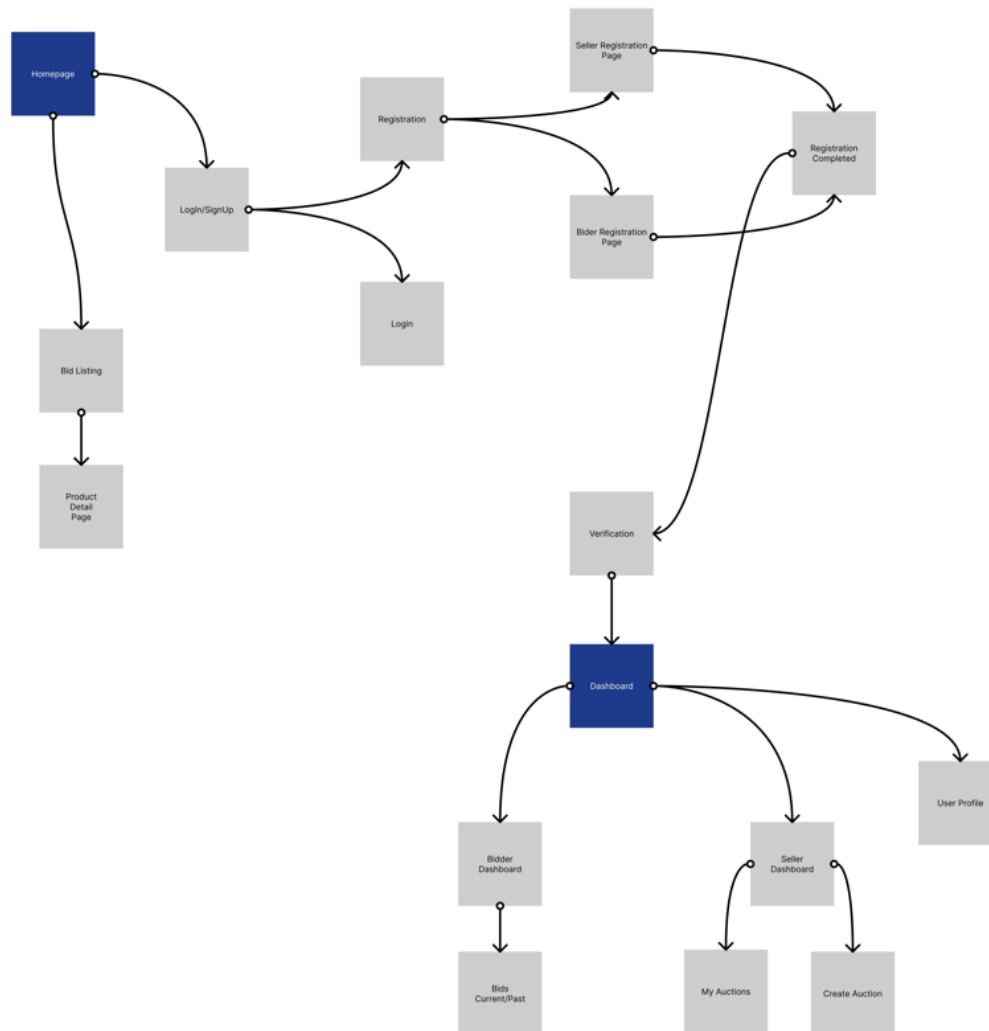


Figure 2: Design Diagram

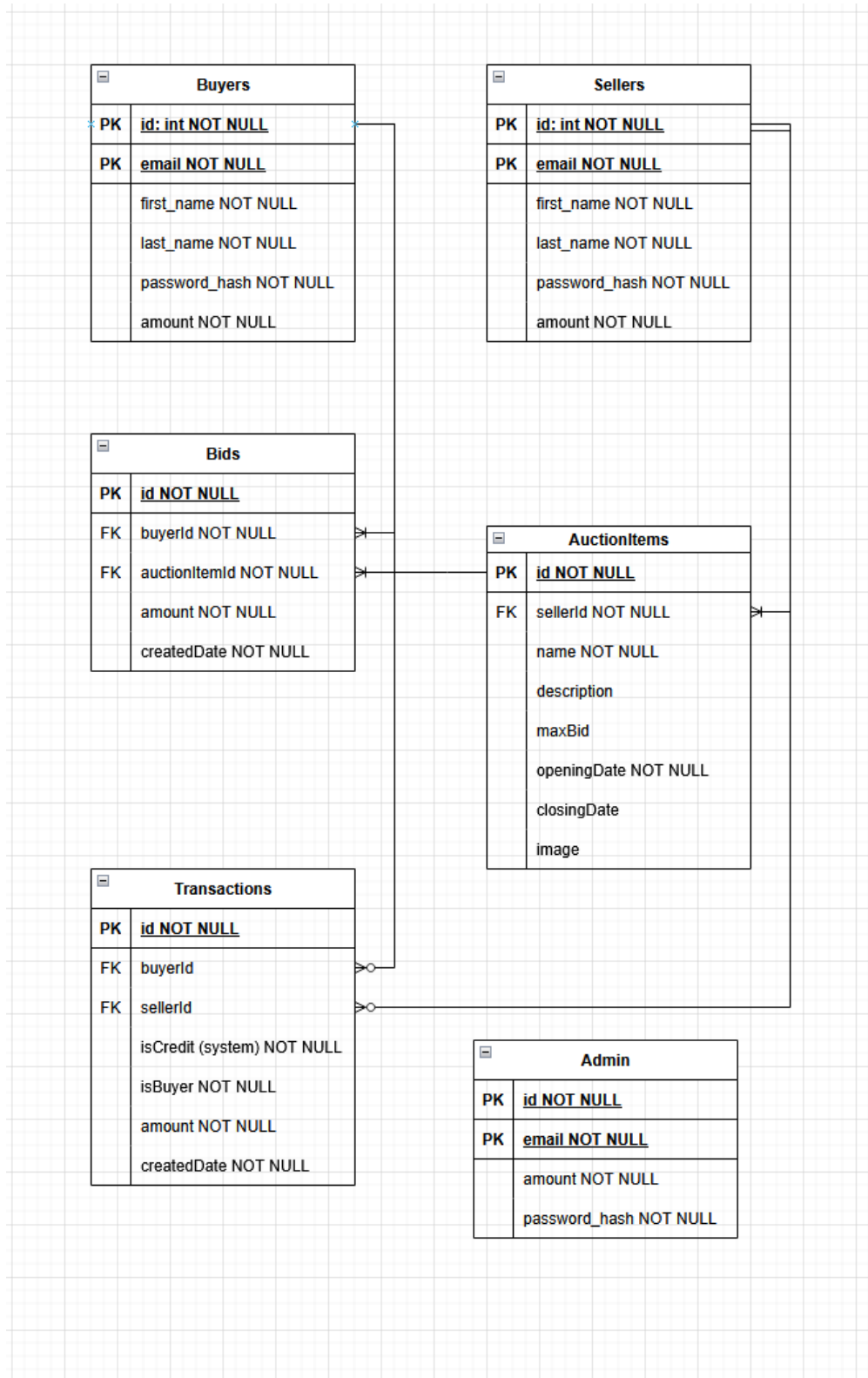


Figure 3: Database Design

2.6 Burndown chart

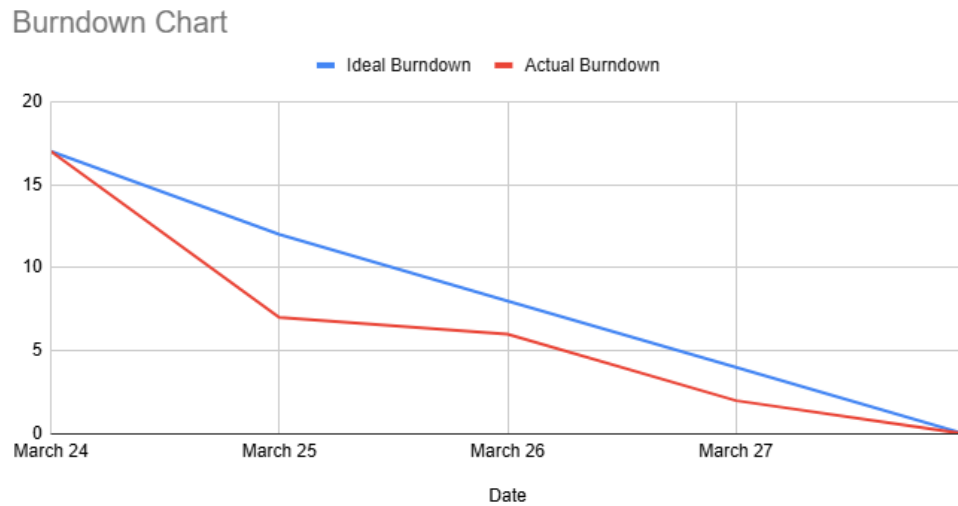


Figure 4: Burndown Chart

2.7 Documentation of changes

No change has been made in this sprint.

3 Customer meeting

3.1 Date/Time/Place

1. **Meeting 1**
On 3/27 at 10 AM on Zoom.
2. **Meeting 2**
On 4/3 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 "Auction settlement" as the main goal for this sprint.
 2. **Meeting 2**
Summary: The second client meeting was a progress check. The client reviewed the implemented functionality and provided positive feedback.
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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.

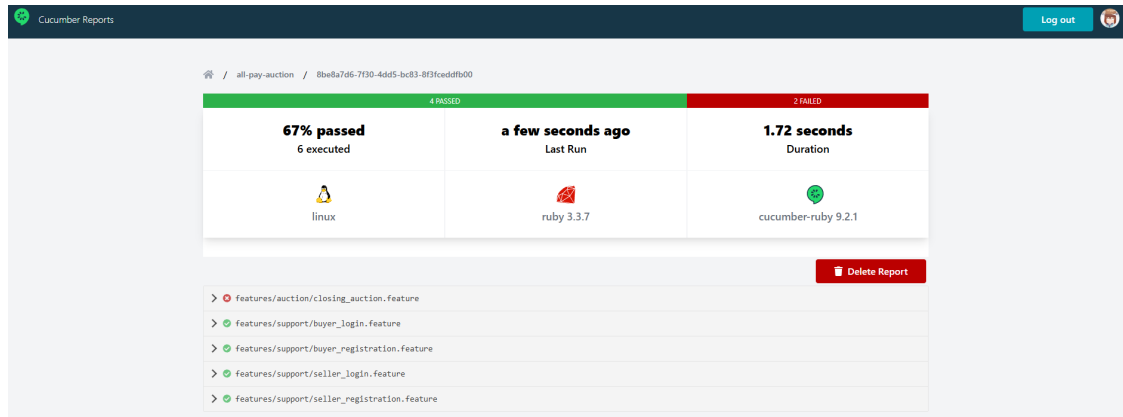


Figure 5: Cucumber Test

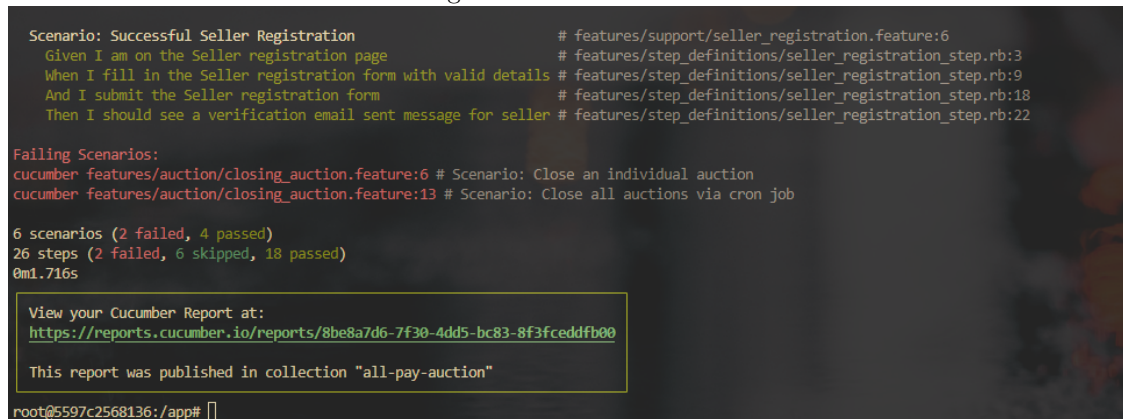


Figure 6: Cucumber Test

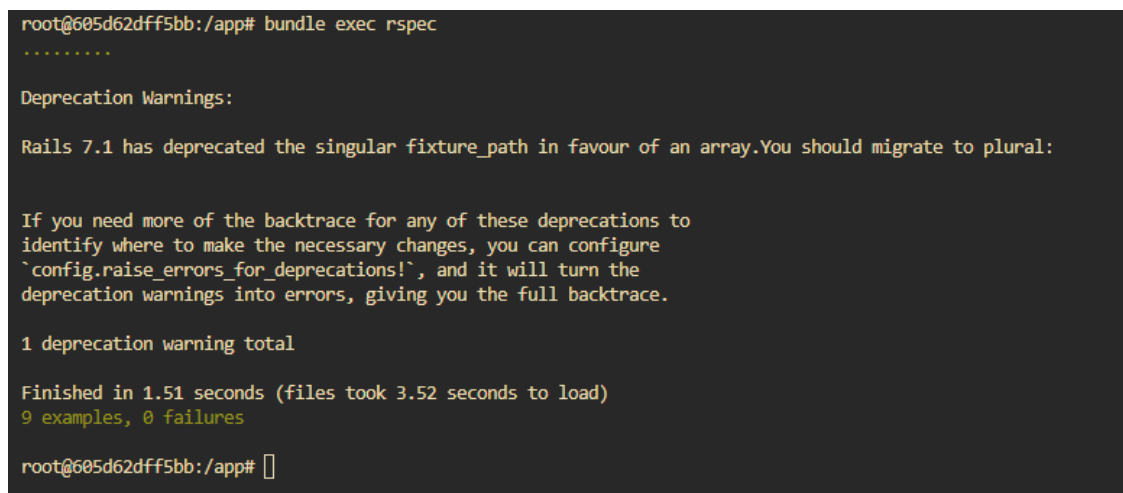


Figure 7: Rspec test

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/>
