Sprint 2 Retrospective

All Pay Auction
CSCE 606 - Spring 2025

February 28, 2025

1   Team

1.1   Team roles

- Product owner: Praewa Pitiphat

- Scrum master: Jason Le

- Developers:

    - Arkan Abuyazid

    - Ruvail Shahzad

    - Steve Wang

1.2   Member contribution

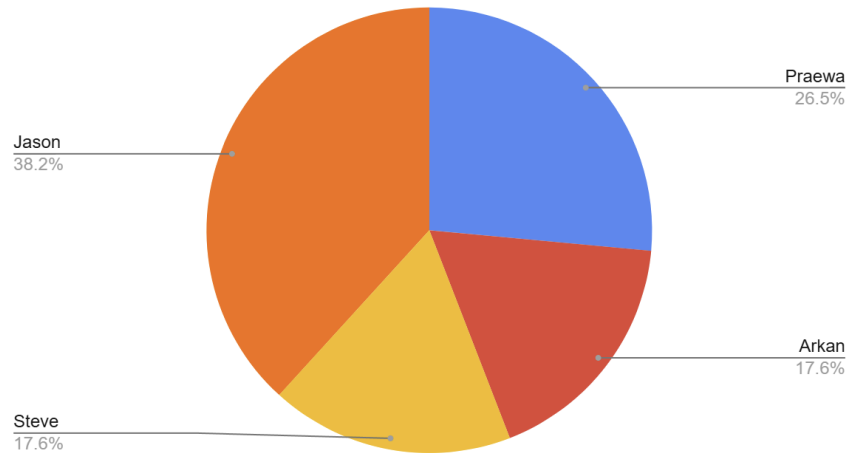| Sprint 2 Tasks			
Tasks	**Points**	**Assignees**	**Total Points**
- Bid Listing - Bid History - Seller Interface - Seller Creates an Auction - View Auction product item - CRUD action item and Onboarding design (UI)	1 0.5 1 1 1 2	Jason	6.5
- User places a bid - View Auction product item	2 1	Steve	3
- Create DB for auction items - Designing a new database schema	3 -	Arkan	3
- Setup cucumber and Rspec inside docker - Fixing capybara bugs (testing enviroment issue) - Organized all documents - Writing cucumber and Rspec tests for Sprint 1 functions	0.5 2 - 2	Praewa	4.5

Figure 1: User Stories Contribution

2 Sprint

2.1 Date of the sprint

Sprint 2 period: 2/17-2/21

2.2 Sprint goal

This sprint focuses on developing the core functionality of an online auction platform. Work includes database creation for auction items, implementing seller-related features such as settling auctions, creating auctions, and managing their interface. Bidding functionality will be implemented, allowing users to place bids and view auction items. User account management will be enhanced with profile updates and account deletion. A mock credit card payment method will be integrated. Additionally, efforts will be dedicated to setting up and validating the test environment and completing sprint documentation.

2.3 Sprint Achievements

Sprint 2 saw the successful completion of several core functionalities, including the implementation of bid listings, a seller interface, and the ability for sellers to create auctions. Additionally, the application UI was updated. Users can now effectively place bids and view auction product items. However, some user-related features, such as account deletion, profile updates, and the seller's ability to settle auctions, were deferred to Sprint 3. Progress was also made on BDD/TDD testing, which remains ongoing.

2.4   Sprint Backlog

| Sprint 1 Tasks		
User Stories	**Status**	**Assignees**
Bid Listing	Completed	Jason
+ Bid History	Completed	Jason
- User Deleted Account	Move to Sprint 3	Praewa
- User Update Profile Information	Move to Sprint 3	Praewa
+ BDD/TDD tests	Work in Progress	Praewa
Seller Interface	Completed	Jason
Seller Creates an Auction	Completed	Jason
+ CRUD action item and Onboarding design (UI)	Completed	Jason
User places a bid	Completed	Steve
View Auction product item	Completed	Steve and Jason
- Seller Settles the auction	Move to Sprint 3	Arkan
Create DB for auction item	Completed	Arkan

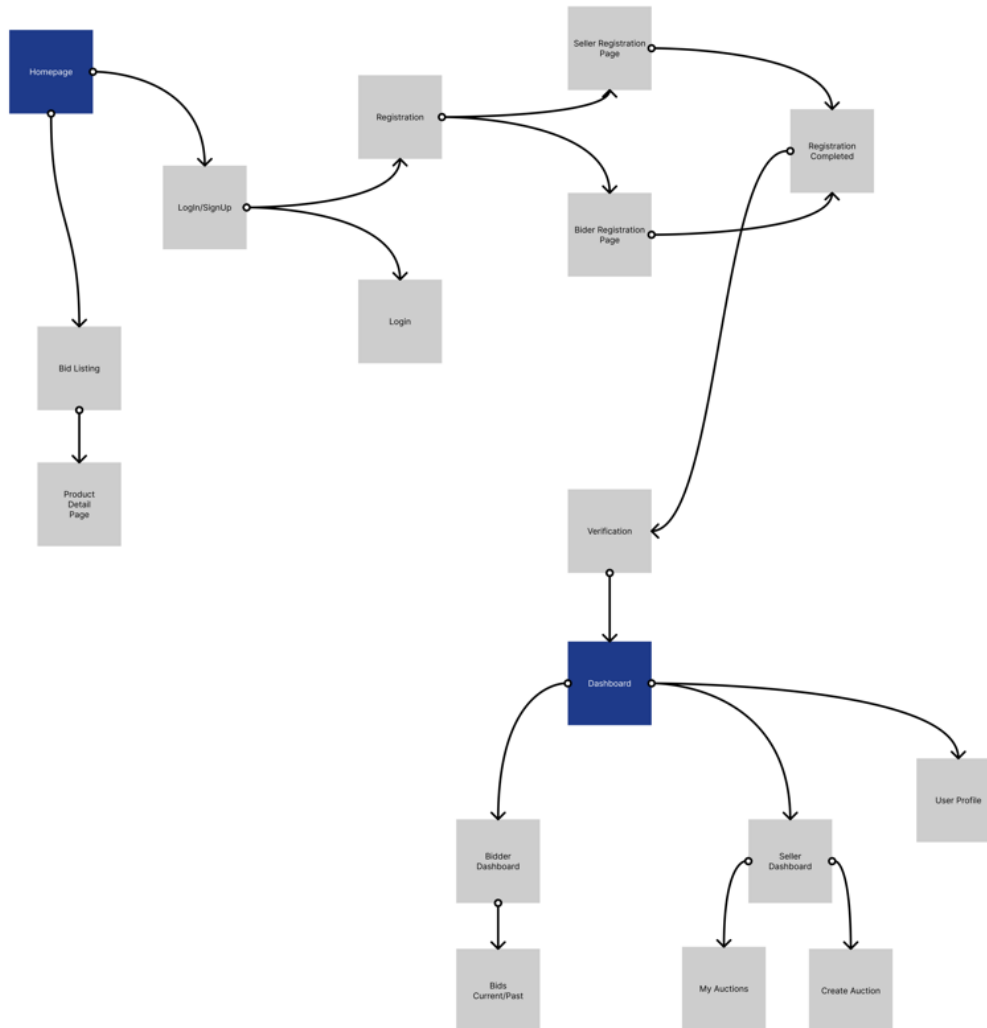## 2.5   Design Diagram
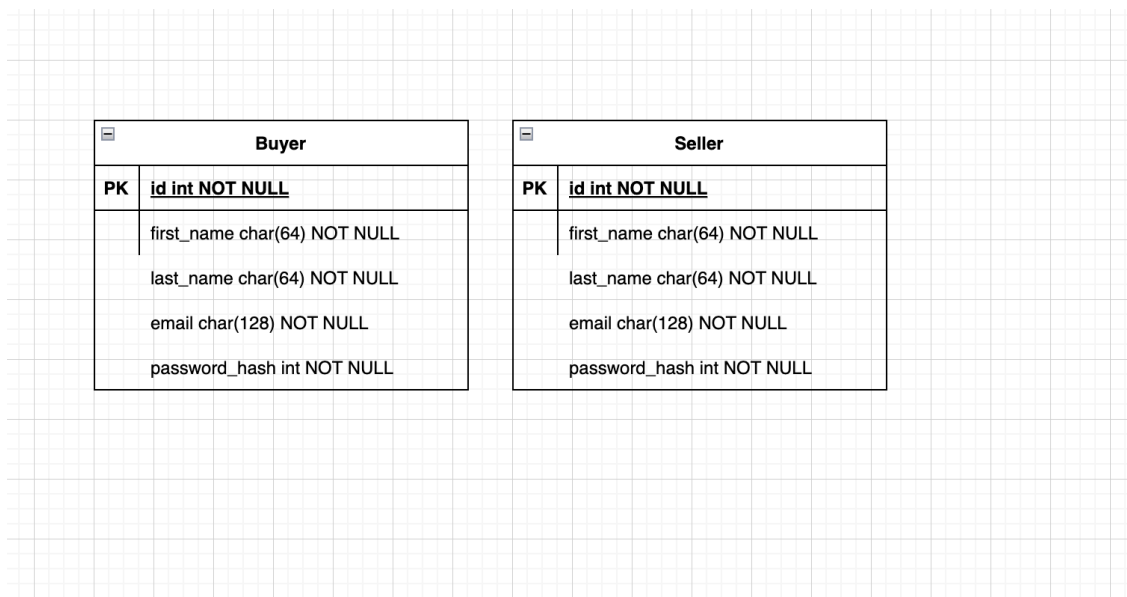
Figure 2: Database Design

Figure 3: Design Diagram
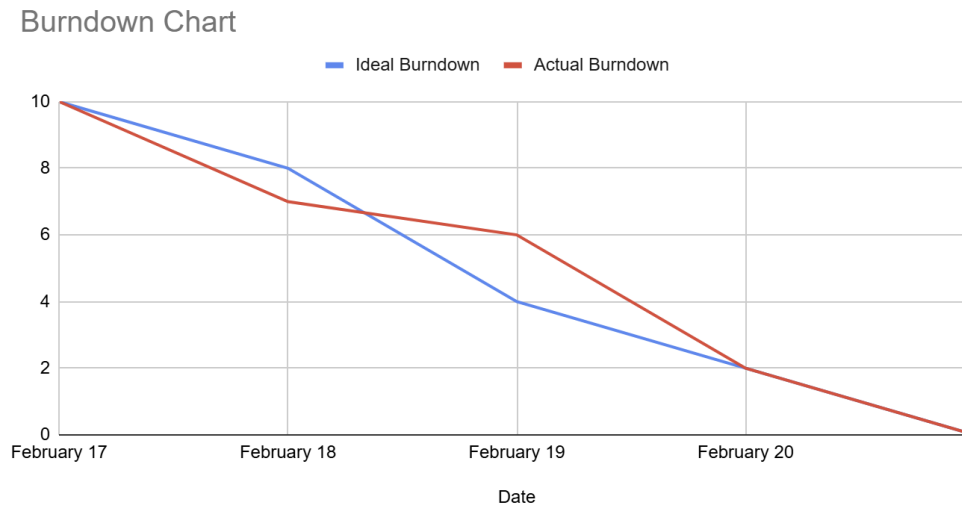
2.6 Burndown chart

Figure 4: Burndown Chart

2.7 Documentation of changes

Some user-related features, such as account deletion, profile updates, and the seller's ability to settle auctions, were deferred to Sprint 3 since there was an unexpected issue with testing development (capybara has issue inside docker container) during Sprint 2, so the team decided to shift some priorities in order to fix this.

3 Customer meeting

3.1 Date/Time/Place

1. **Meeting 1**
   On 2/13 at 10 AM on Zoom.

2. **Meeting 2**
   On 2/20 at 10 AM on Zoom.

3.2 Summary of Discussion

1. **Meeting 1**
   Summary: This meeting served as a progress check-in with the client regarding the All Pay Auction project. We provided an update on the current development status, highlighting the successful implementation of user/seller account creation and login functionality.

   The client expressed satisfaction with the progress made to date. They offered some suggestions regarding database implementation. While these suggestions were valuable, the client acknowledged that the final decision regarding implementation rests with the development team. We will evaluate the feasibility and potential impact of these suggestions and determine the best course of action.

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 is currently working on adding more tests for cucumber and rspec.
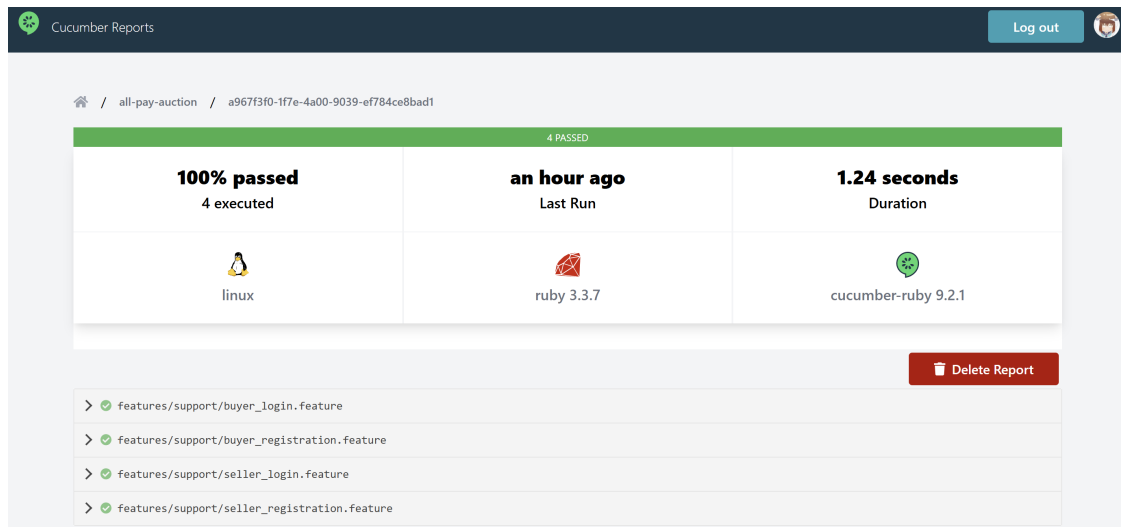

Figure 5: Cucumber Test
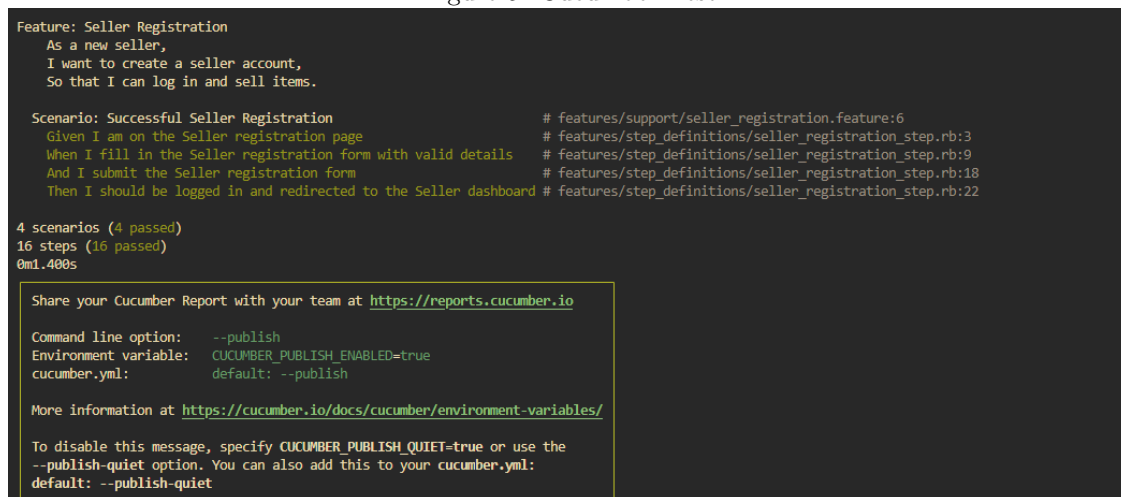
Figure 6: Cucumber Test

```
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 (90.96% covered at 2.84 hits/line)

38 files in total.
387 relevant lines, **352** lines covered and **35** lines missed. (90.96%)

Search:

File	% covered	Lines	Relevant Lines	Lines covered	Lines missed	Avg. Hits / Line
app/helpers/auction_items_helper.rb	50.00 %	19	12	6	6	0.83
app/models/auction_item.rb	67.57 %	68	37	25	12	1.73
app/models/buyer.rb	69.23 %	23	13	9	4	0.69
app/models/bid.rb	75.00 %	16	8	6	2	0.75
app/controllers/auction_items_controller.rb	77.27 %	88	44	34	10	1.00
app/controllers/seller_interface_controller.rb	88.89 %	30	9	8	1	2.89
app/controllers/application_controller.rb	100.00 %	30	14	14	0	32.57
app/controllers/home_controller.rb	100.00 %	6	2	2	0	1.00
app/controllers/registrations_controller.rb	100.00 %	37	21	21	0	1.90
app/controllers/sessions_controller.rb	100.00 %	43	24	24	0	7.79
app/controllers/static_pages_controller.rb	100.00 %	8	3	3	0	1.00
app/helpers/application_helper.rb	100.00 %	5	1	1	0	1.00
app/helpers/home_helper.rb	100.00 %	5	1	1	0	1.00
app/helpers/registrations_helper.rb	100.00 %	5	1	1	0	1.00

Figure 8: Code coverage report

File	% covered	Lines	Relevant Lines	Lines covered	Lines missed	Avg. Hits / Line
app/helpers/sessions_helper.rb	100.00 %	5	1	1	0	1.00
app/helpers/static_pages_helper.rb	100.00 %	5	1	1	0	1.00
app/models/application_record.rb	100.00 %	6	2	2	0	1.00
app/models/seller.rb	100.00 %	10	5	5	0	1.00
app/models/transaction.rb	100.00 %	7	3	3	0	1.00
config/environment.rb	100.00 %	7	2	2	0	1.00
config/environments/test.rb	100.00 %	80	23	23	0	1.00
config/initializers/assets.rb	100.00 %	16	2	2	0	1.00
config/initializers/content_security_policy.rb	100.00 %	27	0	0	0	0.00
config/initializers/filter_parameter_logging.rb	100.00 %	10	1	1	0	1.00
config/initializers/inflections.rb	100.00 %	18	0	0	0	0.00
config/initializers/permissions_policy.rb	100.00 %	15	0	0	0	0.00
config/routes.rb	100.00 %	39	17	17	0	1.00
test/controllers/application_controller_test.rb	100.00 %	73	31	31	0	1.48
test/controllers/auction_items_controller_test.rb	100.00 %	57	29	29	0	1.62
test/controllers/home_controller_test.rb	100.00 %	11	5	5	0	1.00
test/controllers/registrations_controller_test.rb	100.00 %	78	25	25	0	1.32
test/controllers/sessions_controller_test.rb	100.00 %	55	32	32	0	1.31
test/controllers/static_pages_controller_test.rb	100.00 %	17	8	8	0	1.00
test/models/auction_item_test.rb	100.00 %	9	2	2	0	1.00

Figure 9: Code coverage report

File	% covered	Lines	Relevant Lines	Lines covered	Lines missed	Avg. Hits / Line
test/models/bid_test.rb	100.00 %	9	2	2	0	1.00
test/models/buyer_test.rb	100.00 %	9	2	2	0	1.00
test/models/seller_test.rb	100.00 %	9	2	2	0	1.00
test/models/transaction_test.rb	100.00 %	9	2	2	0	1.00

Showing 1 to 38 of 38 entries

Figure 10: 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-auction-v2-695fea476c71.herokuapp.com/