

Deal Docks

ECE:5820 Final Project

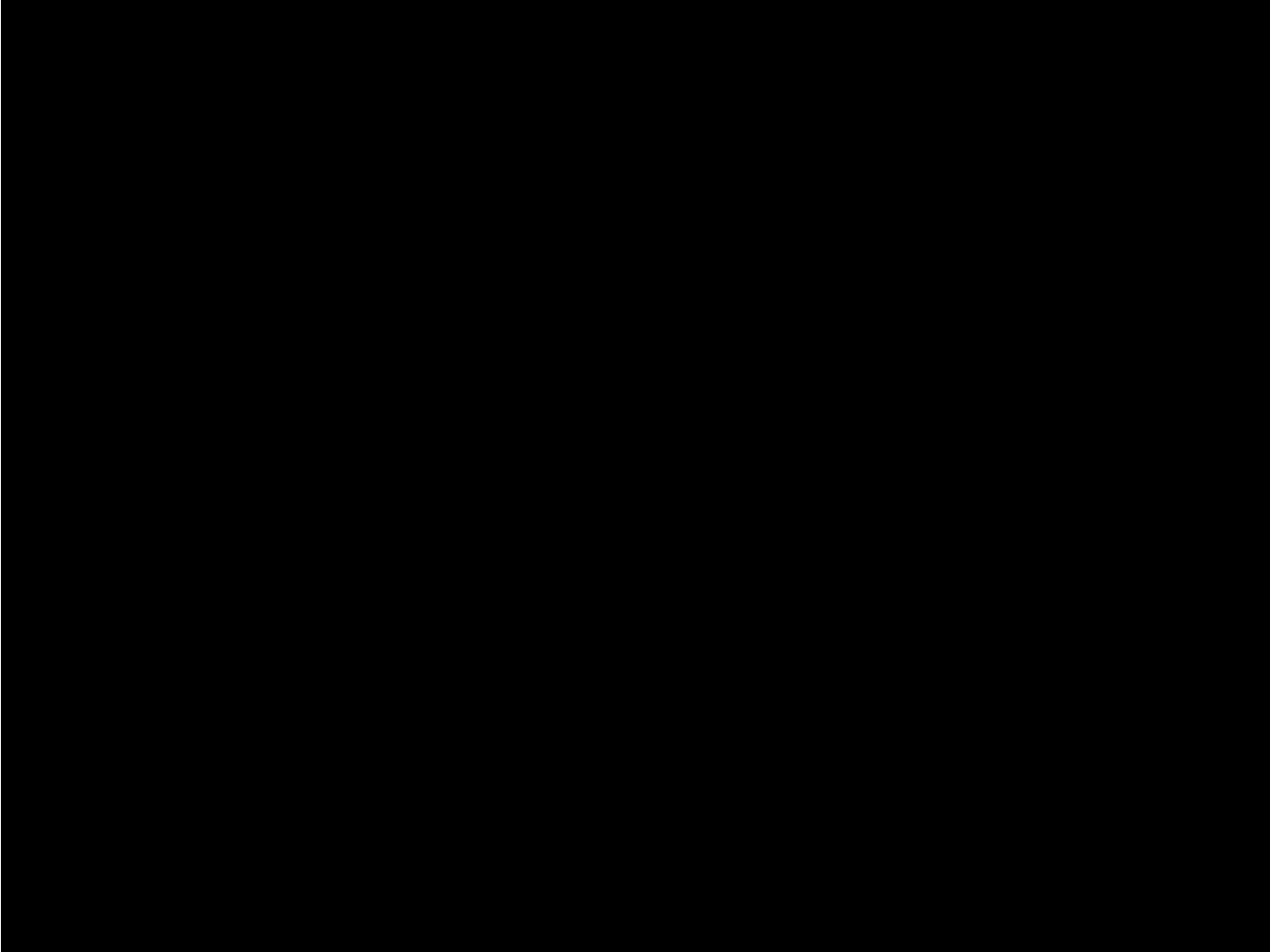


Developed By: Cole Arduser, Luke Farmer, Sam Loecke, Sam Nicklaus

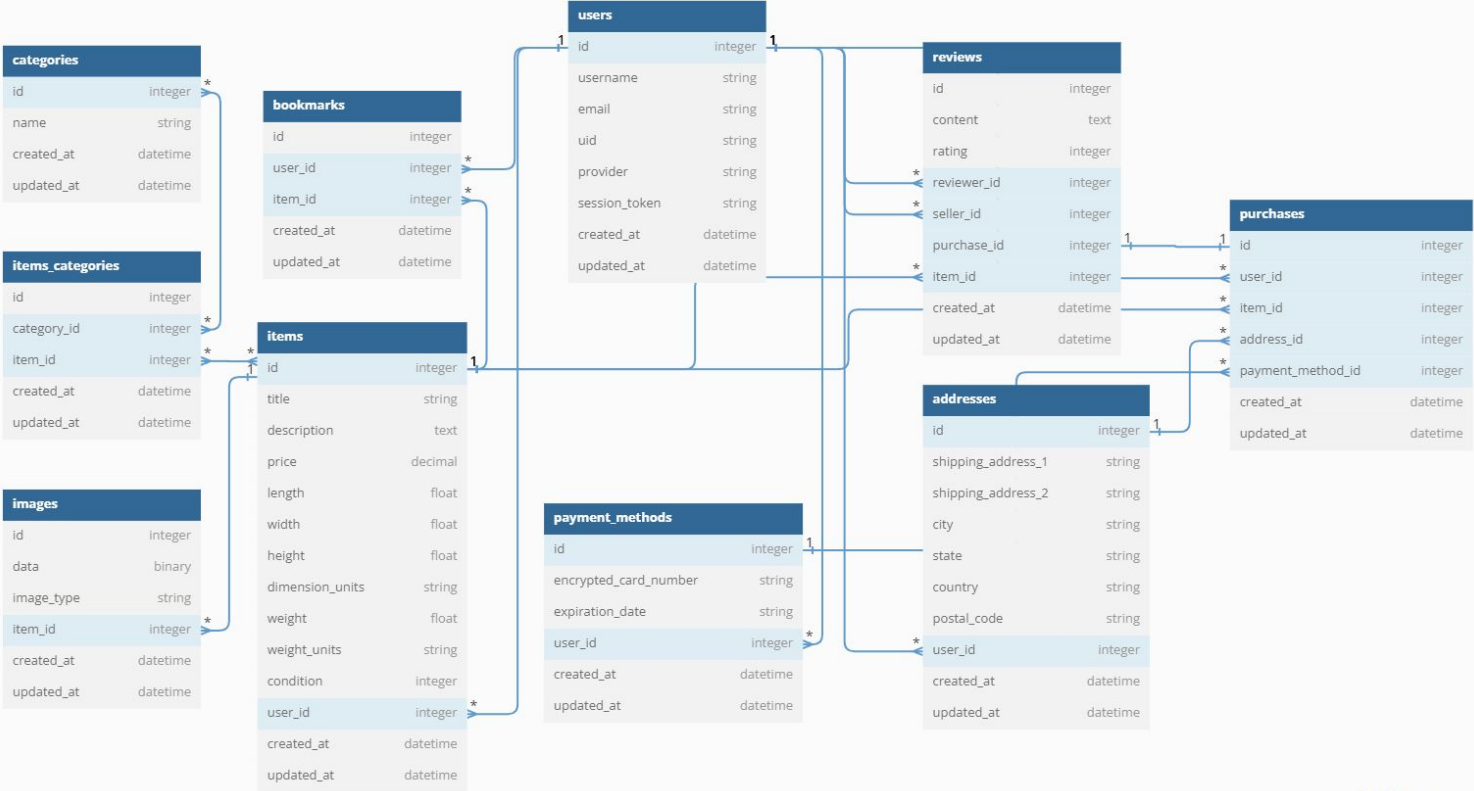
Project Scope & Objectives

- Buyers
 - User Interface: Easy-to-navigate UI for hassle-free shopping.
 - Security and Trust: Ensuring buyer confidence through a reliable transaction system.
 - Customer Support: Comprehensive FAQ
- Sellers
 - Ease of Listing: Simple process for posting customizable listings.
 - Ability to Track Listings
- How do we make money?
 - Commission: Taking a percentage from each sale.



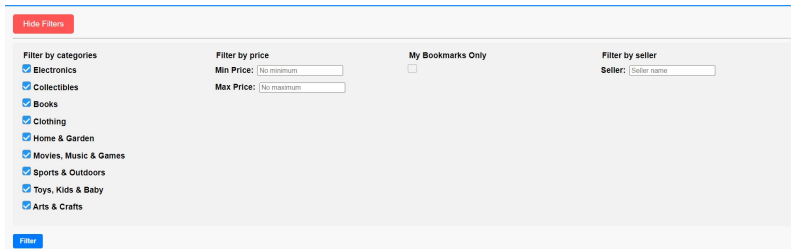


Database Schema



JavaScript and Notable Gems

- Javascript used for variety of functions
 - Bookmark feature (AJAX)
 - FAQ page, edit item, edit, filter user dropdowns
 - Image carousel on item page
 - Image uploading on sell page
- Notable Gems
 - bcrypt & attr_encrypted
 - mini_magick
 - omniauth-google-oauth2
 - dotenv-rails



A screenshot of a filter sidebar from an e-commerce application. At the top is a red button labeled 'Hide Filters'. Below it are four sections: 'Filter by categories' with a list of categories (Electronics, Collectibles, Books, Clothing, Home & Garden, Movies, Music & Games, Sports & Outdoors, Toys, Kids & Baby, Arts & Crafts) each with a checked checkbox; 'Filter by price' with 'Min Price' and 'Max Price' input fields, both with 'No maximum' placeholder text; 'My Bookmarks Only' with an unchecked checkbox; and 'Filter by seller' with a 'Seller' input field containing 'Seller name' placeholder text. A blue 'Filter' button is at the bottom.

FAQ

[How do I sign up?](#)

[Can I sell items on Deal Docks?](#)

Yes, registered users can list items for sale. Click 'Sell Item' after logging in to list your item.

[Is there a fee for using Deal Docks?](#)

Listing items is free, but a small transaction fee is charged when an item is sold.

Drag and drop images here or

Upload Files (Max: 5 images)

Screenshot 2023-10-19 144209.png

Remove

Screenshot 2023-10-26 150511.png

Remove

Pivotal Tracker

- Sprint 1
 - Velocity: 22 Points
 - Grade: 4/5
- Sprint 2
 - Velocity 34 Points
 - Grade: 4/5
- Sprint 3
 - Velocity 39 Points
 - Grade: 5/5

Icebox				+	Add Story	:	×
★	■	Contacting the Company as a Buyer	Start				
★	■	Contacting the Buyer as a Seller	Start				
★	■	Safe Contact with a Seller	Start				
★	■	Contact Company	Start				
★	■	View Listed Items	Start				
★	■	Contacting the Seller as a Buyer	Start				
★	—	Display Verified Badge	Start				
★	■	View Cart Items	Start				
★	■	Selling an Item by Auction	Start				
★	—	Local Pick-Up	Start				
★	■	Seller Verification Process	Start				

22 points				1 • 28 Oct - 10 Nov • 100%
★	■	Access and navigate the platform (CA)		
★	—	User Profile Access (CA)		
★	—	Persistent Navigation Bar (SL)		
★	—	View the Home Screen (SL)		
★	—	View an Item Page (SN)		

34 points				2 • 11 - 24 Nov • 100%
★	—	Item Description (SN)		
★	—	Sell Items (CA)		
★	—	Bookmarking (SL)		
★	—	View Bookmarked Items (SL)		
★	—	Manage Bookmarks (SL)		

39 points				3 • 25 Nov - 8 Dec • 100%
★	—	Browse Different Categories (SL)		
★	■	View Main Image and Additional Pictures (SN)		
★	■	My Purchases Information (LF)		
★	—	Use Saved Credit Card for Purchase (LF)		
★	—	Confirm Payment (LF)		

Testing Methodology

Test-Driven Development with Rspec

- Basic Tests Prior to Implementation
 - Write initial tests based on feature specifications.
 - Focus on primary functionality and user story requirements.
- Extended Testing Post-Implementation
 - Add comprehensive tests for edge cases.
 - Implement exception handling to manage unexpected behaviors or inputs.

All Files (98.48%) Controllers (96.6%) Channels (100.0%) Models (100.0%) Mailers (100.0%)

All Files (98.48% covered at 3.52 hits/line)

24 files in total.

527 relevant lines, 519 lines covered and 8 lines missed. (98.48%)

File	% covered	Lines
app/controllers/application_controller.rb	86.89 %	118
app/controllers/bookmarks_controller.rb	100.00 %	27
app/controllers/checkout_controller.rb	100.00 %	21
app/controllers/faq_controller.rb	100.00 %	8
app/controllers/home_controller.rb	100.00 %	32
app/controllers/items_controller.rb	100.00 %	63
app/controllers/reviews_controller.rb	100.00 %	39
app/controllers/search_controller.rb	100.00 %	10
app/controllers/sessions_controller.rb	100.00 %	19
app/controllers/users_controller.rb	100.00 %	110

```
Finished in 4.87 seconds (files took 10.19 seconds to load)
```

```
289 examples, 0 failures
```

```
Coverage report generated for RSpec to /mnt/c/Users/ardus/repos/selt/SELT_Final_Project/coverage. 519 / 527 LOC (98.48%) covered.
```

Testing Methodology

BDD: Cucumber, Capybara

- Acceptance tests written prior to implementation
- Modify cucumber step definitions after implementation

```
43 scenarios (43 passed)
453 steps (453 passed)
```

```
Scenario: Viewing user items on the home page when logged in # features/home_screen.feature:16
  Given I am logged in as "testuser" # features/step_definitions/general_steps.rb:2
  Given there are categories created # features/step_definitions/home_screen_steps.rb:12
  Given "home_test_user" has listed the following items # features/step_definitions/home_screen_steps.rb:19
    | title | description | categories | price | width | length | height | dimension_units | weight | weight_units | condition |
    | Baseball | Baseball | Electronics | 1.00 | 1.00 | 1.00 | 1.00 | ft | 1.00 | lbs | 0 |
    | Skis | Skis | Books | 1.00 | 1.00 | 1.00 | 1.00 | ft | 1.00 | lbs | 0 |
  And I am on the "home" page # features/step_definitions/general_steps.rb:26
  Then I should see the following suggested items: # features/step_definitions/home_screen_steps.rb:3
    | title |
    | Baseball |
    | Skis |
```


Lessons Learned

- Testing
 - Pre Writing Tests
 - Pass all tests before creating PR's
- GitHub
 - Pull Request Protocol
 - Frequent Commits Importance
- Pivotal Tracker
 - Story Pointing
- Deployment
 - Deploy Early and Often
- Wiki and Documentation
 - Update Meeting Minutes Often
 - Good Wiki Layout and Structure

Movie Memorabilia

Price: \$60.00

Categories: [Movies, Music & Games](#)



« Prev

Next »

Buy Now

View users other item's

Bookmark

Seller Reviews

Review for Mystery Novel

Review by: [kimjarvis](#)

Item: [Mystery Novel](#)

Rating:



The book started off slow, but it really picked up in the second half. Great ending!

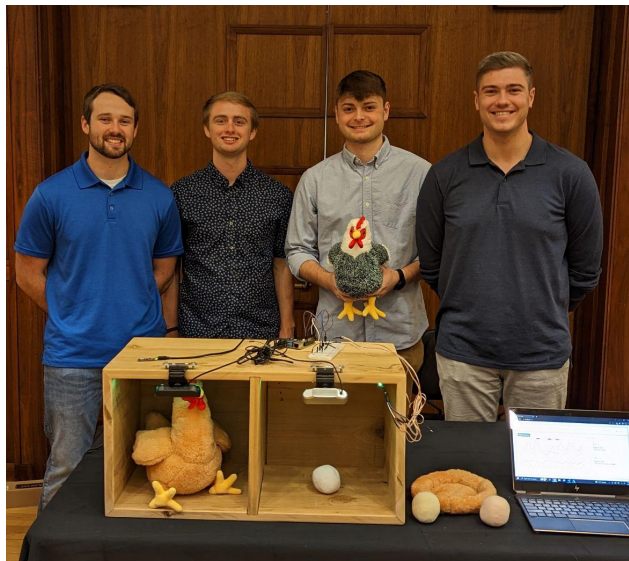
December 10, 2023

Review for Mystery Novel

Review by: [clauderiddle](#)

Why Should We Be Hired?

- Individually capable team members
 - Cole Arduser: TDD expert, OAuth, Scrum Master
 - Luke Farmer: TDD, Purchases, FAQ, Product Owner
 - Sam Loecke: BDD expert, Reviews, Bookmarks
 - Samuel Nicklaus: Front end development, Javascript
- Efficient as a team
 - Made each other better
 - Pair Programming
 - Complimentary Skills
 - Consistent Improvement
 - Shown by increasing grades and velocity from sprint to sprint
 - Delivered a good result, but more importantly flexible and compatible



Questions?

