Final Project for SW Engineering Class CSC 648-848 Fall 2019
Section 1
Gator Trader - SFSU Buy and Sell Website
Team 3

Steve Rentschler - Team Lead (srentsch@mail.sfsu.edu)
Johnson Wong - Back-end Lead / GitHub Master
Sergei Katakhov - Front-end Lead
Ho Yin Mak (Tevis)
Tsun Ming Lee (Matthew)
Tim Chan
Osbaldo Martinez

URL: https://www.sfsugatortrader.com

12/14/2019

Product summary:

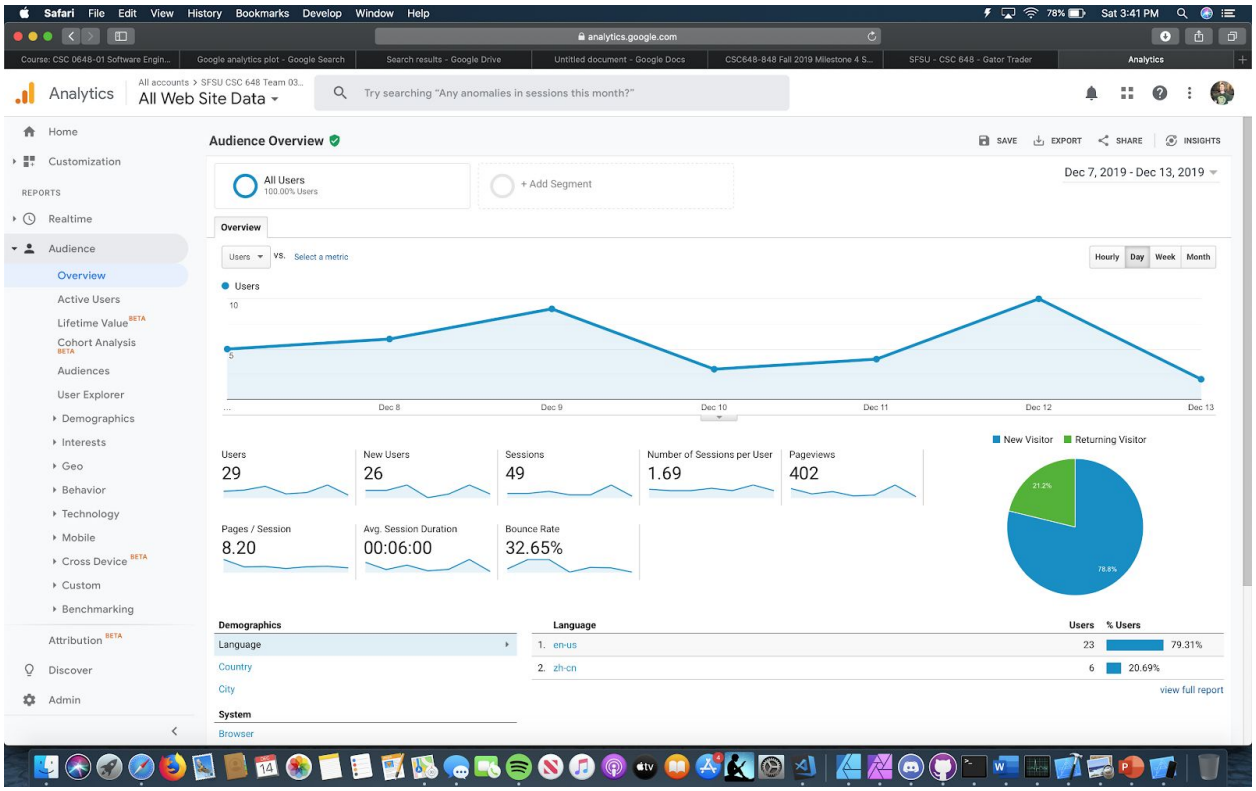
Our product name is Gator Trader. The following functions are what our team will deliver when our product is complete:

1. Unregistered users will able to register for an account
2. Unregistered users will able to browse home page
3. Unregistered users will able to search for a product by name and/or category
4. Unregistered users will able to browse a product search results page
5. Unregistered users will able to browse a product listing page
6. Unregistered users will able to view the form for listing a product
7. Unregistered users will able to sort by price
8. Unregistered users will able to search by class name and instructor's name for class materials
9. Registered users will be able to do 1-6
10. Registered users will be able to login and logout
11. Registered users will be able to purchase a product
12. Registered users will be able to list a product for sale
13. Registered users will be able to view active sales items on the dashboard page
14. Registered users will be able to remove their product listing(s)
15. Registered users will be able to contact the seller of a listing
16. Registered users will be able to see a map that confirms their safe pickup location.
17. The Administrator will be able to see listing request(s)
18. The Administrator will be able to approve and disapprove listing request(s)
19. The Administrator will be able to remove any active listing
20. The Administrator will be able to delete users

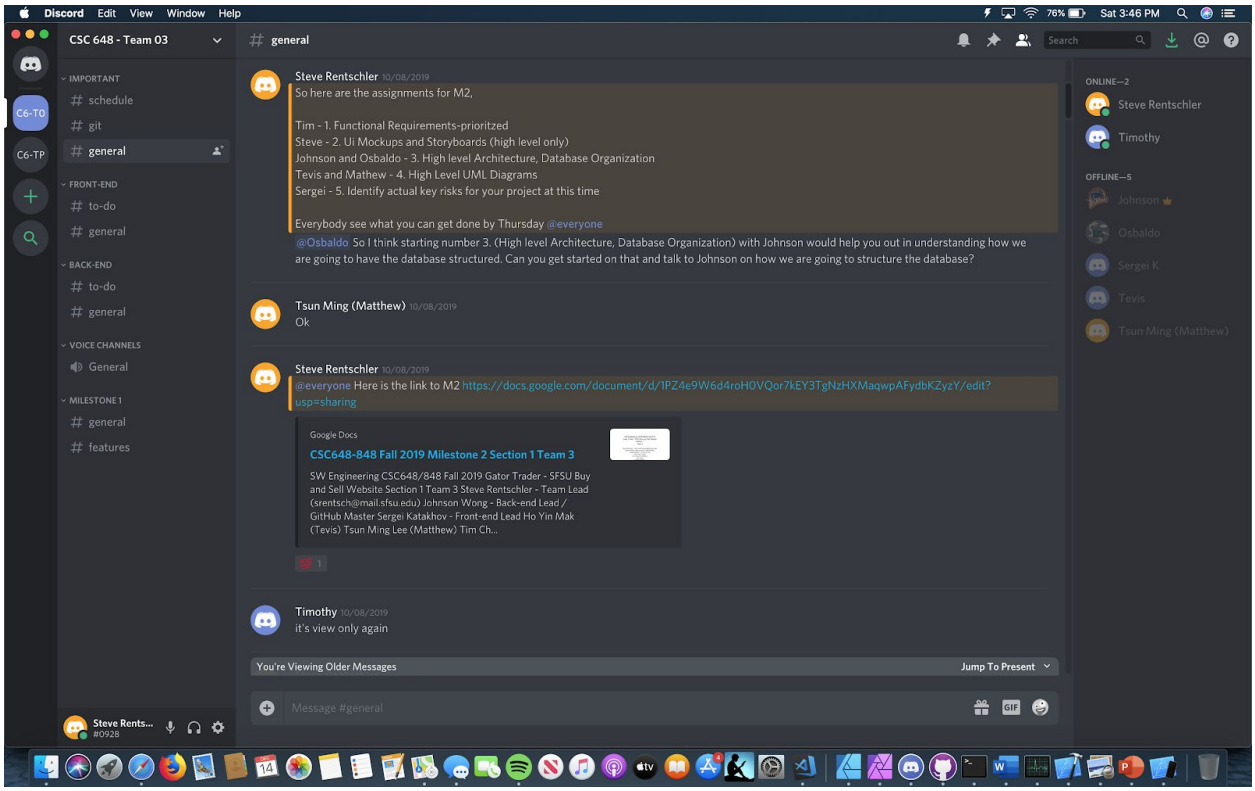
Our product is unique in that it is made for SFSU students to buy and sell items, they will be able to pick out a safe location where they can pick up the product they are purchasing and will be able to search for class specific materials that they might need for their class at SFSU.

Here is the URL for our product**:** https://sfsugatortrader.com

Google analytics plot for Gator Trader:

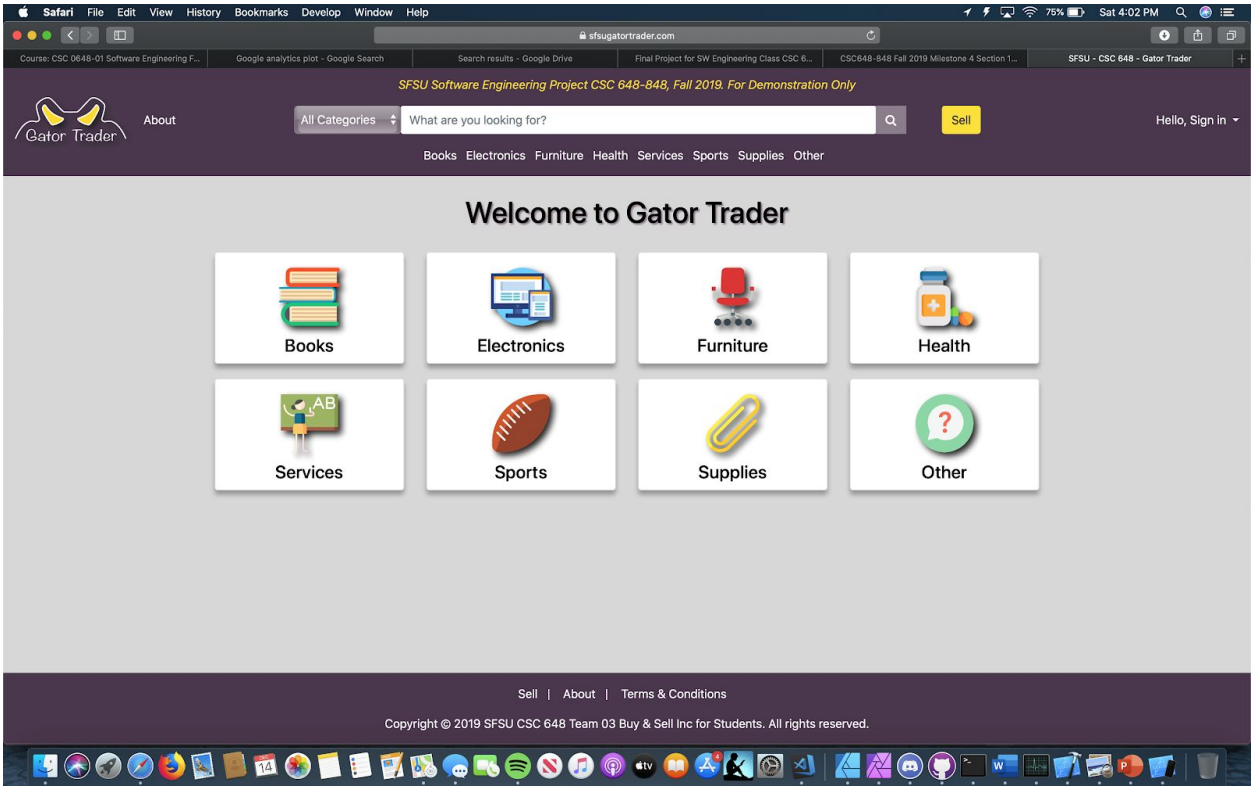


Screenshot of our task management system:

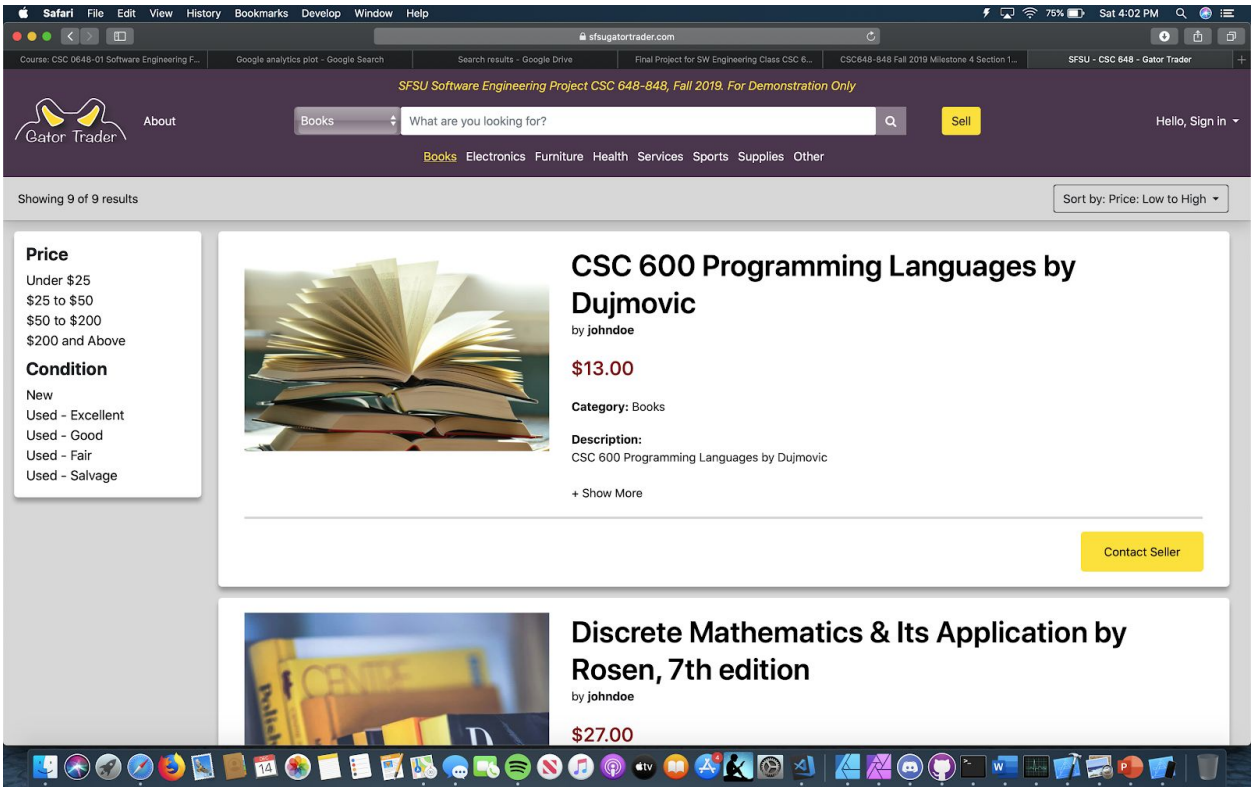


Screenshots of actual final product as shown in the demo:

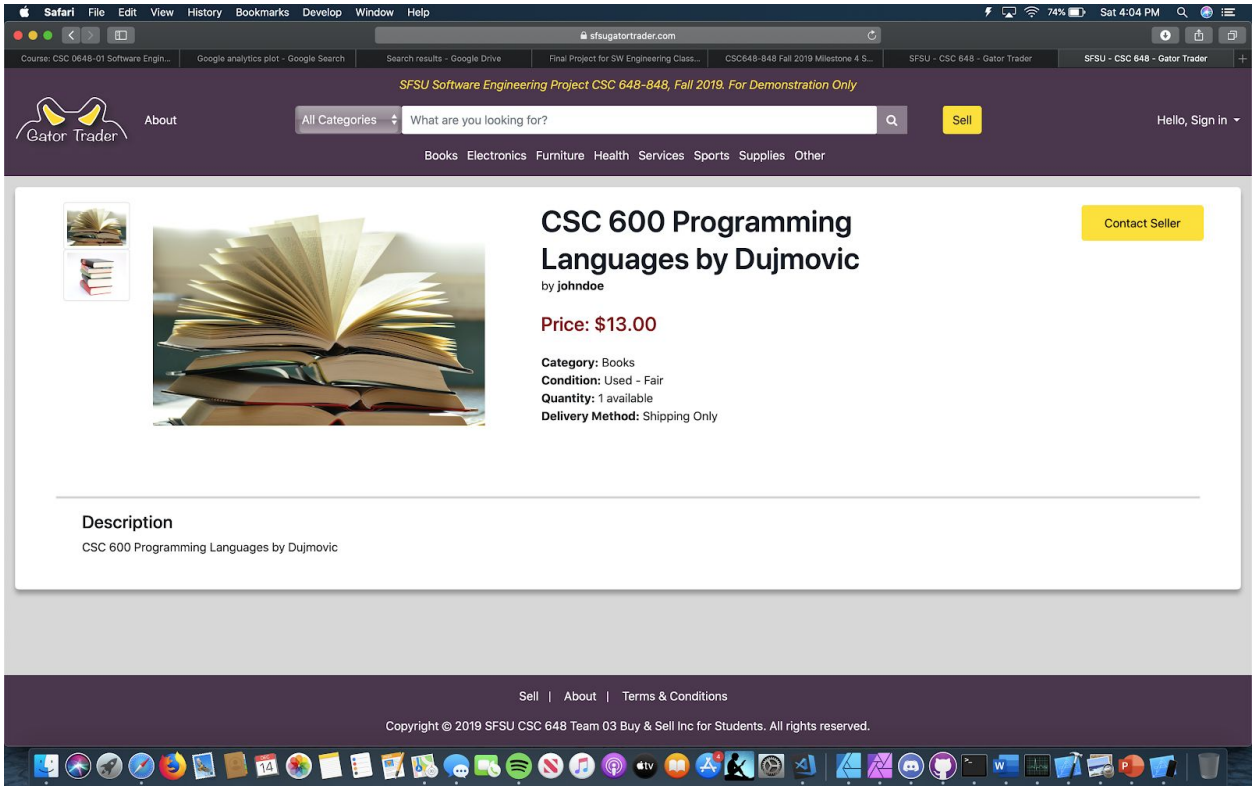
Home Screen:



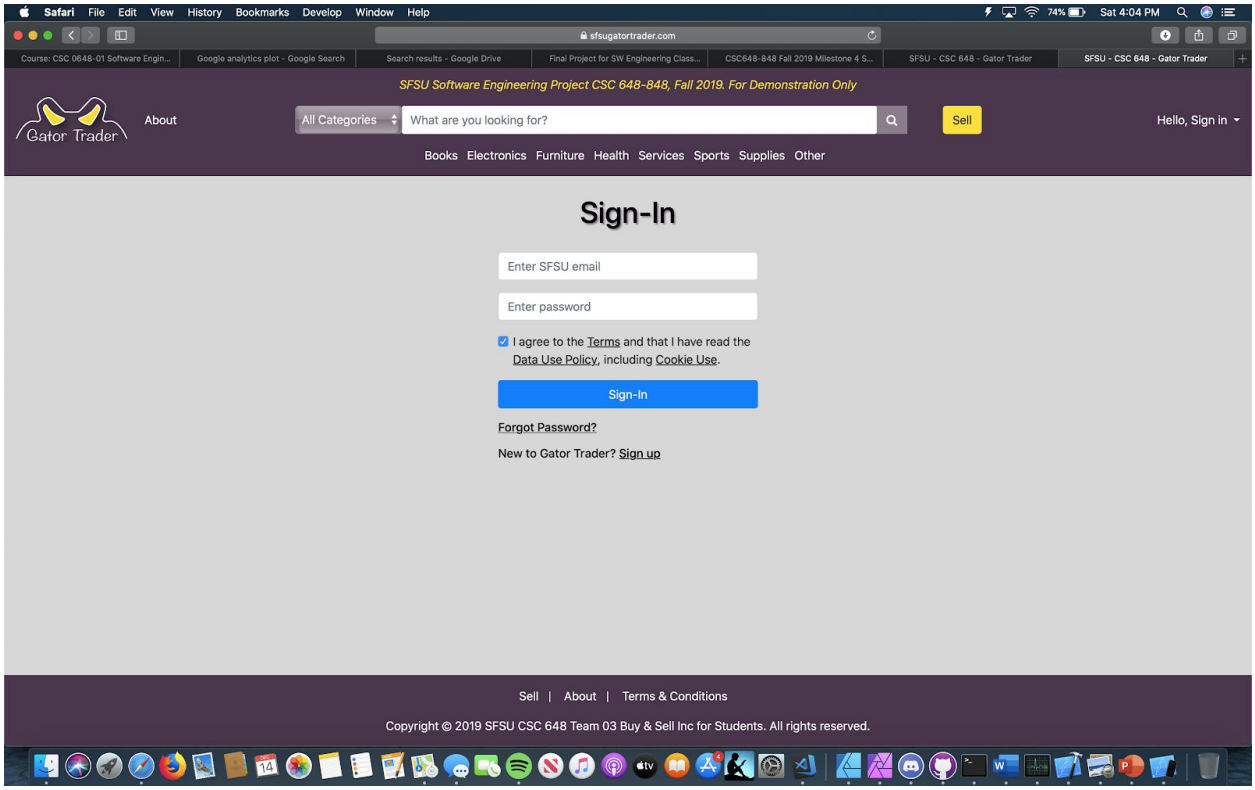
Product Category/Searched Page:



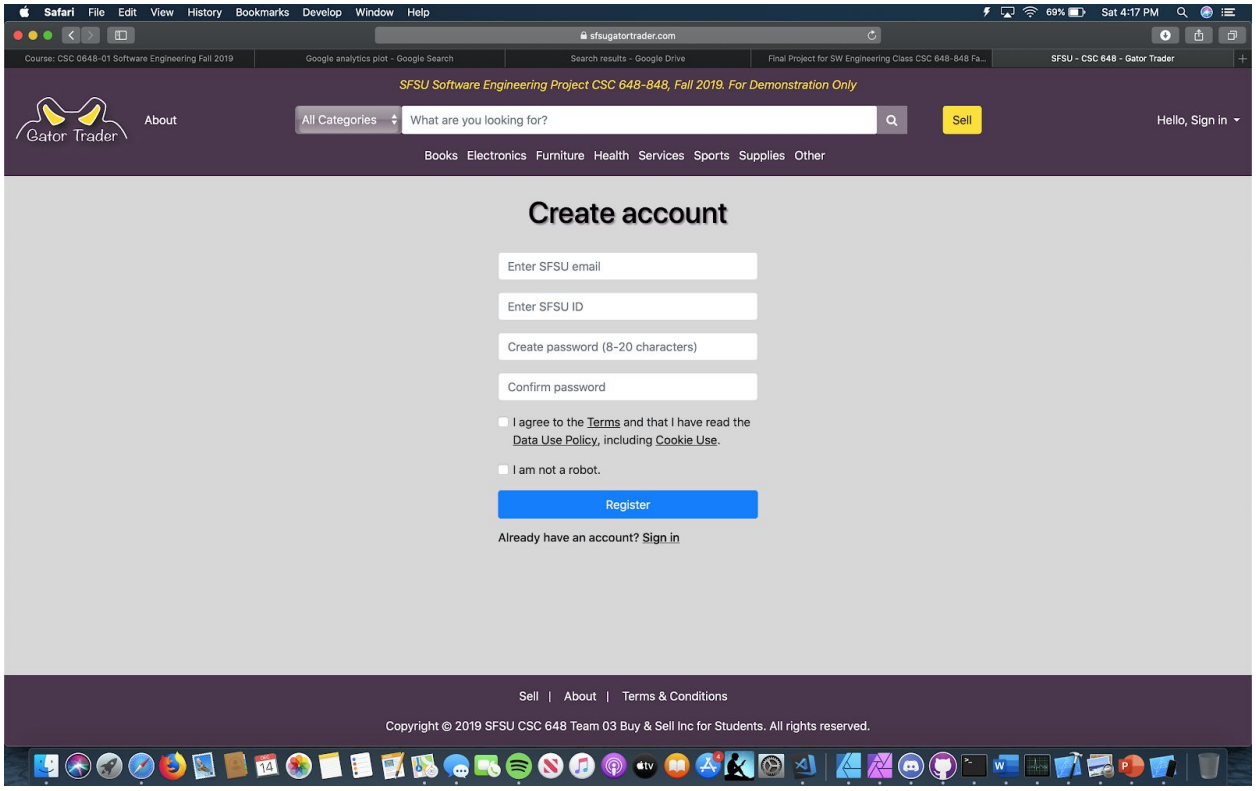
Detailed Product Page:



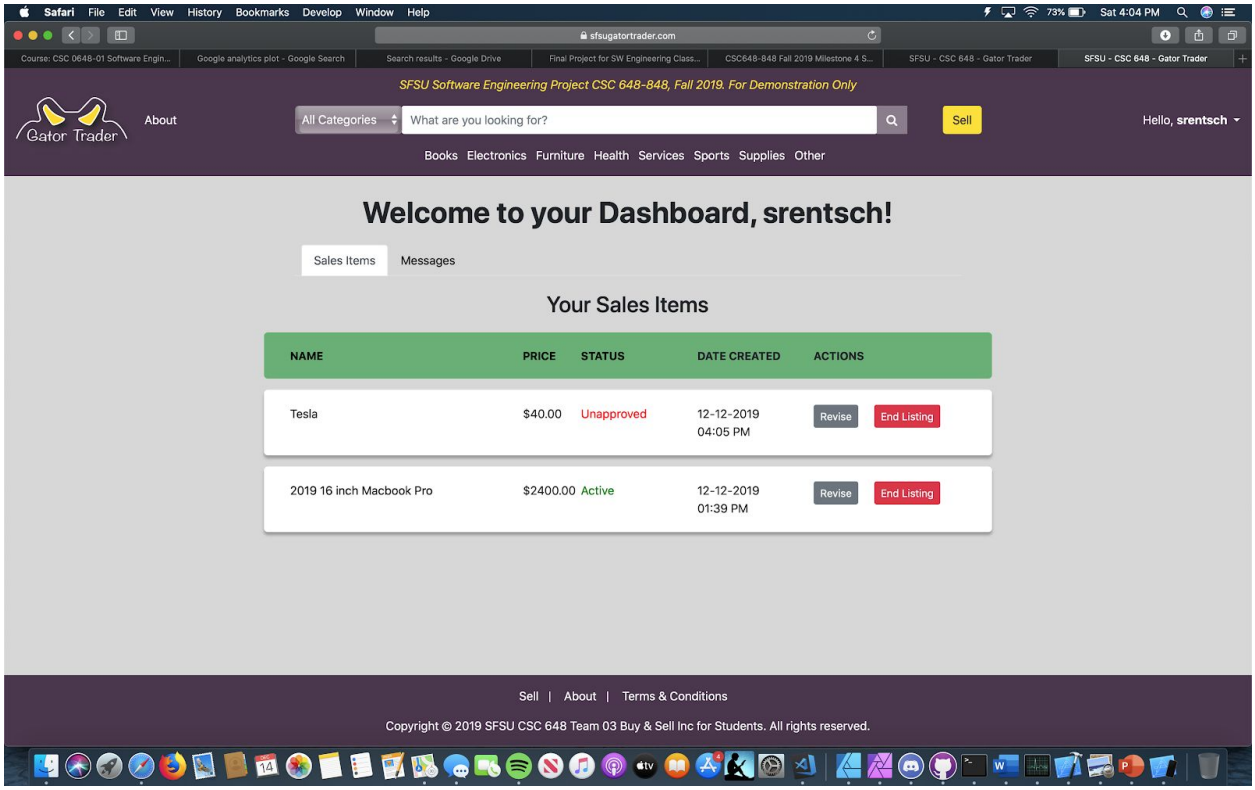
Sign In Page:


Safari File Edit View History Bookmarks Develop Window Help
Sat 4:04 PM
sfsugatortrader.com
SFSU Software Engineering Project CSC 648-848, Fall 2019. For Demonstration Only
Gator Trader
About
All Categories
What are you looking for?
Sell
Hello, Sign in
Books Electronics Furniture Health Services Sports Supplies Other
Sign-In
Enter SFSU email
Enter password
I agree to the Terms and that I have read the Data Use Policy, including Cookie Use.
Sign-In
Forgot Password?
New to Gator Trader? Sign up
Sell | About | Terms & Conditions
Copyright © 2019 SFSU CSC 648 Team 03 Buy & Sell Inc for Students. All rights reserved.

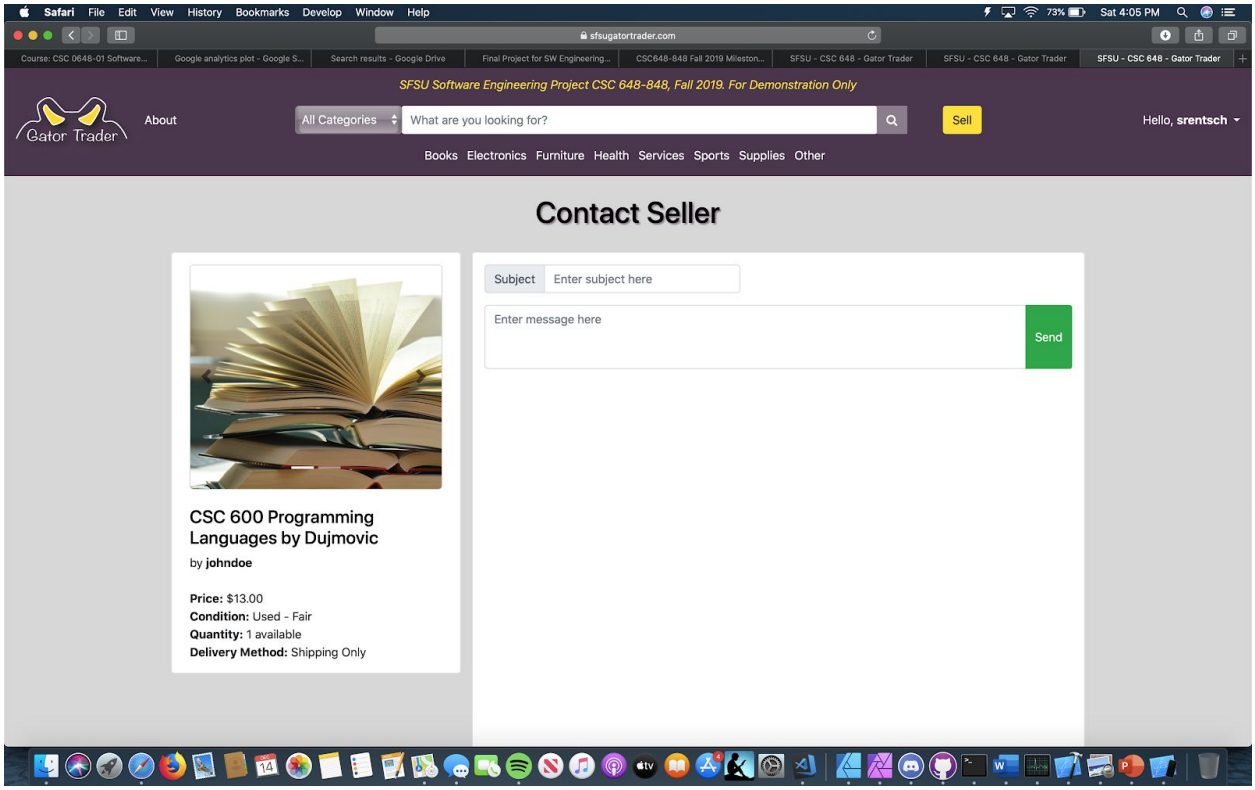
Create Account Page:



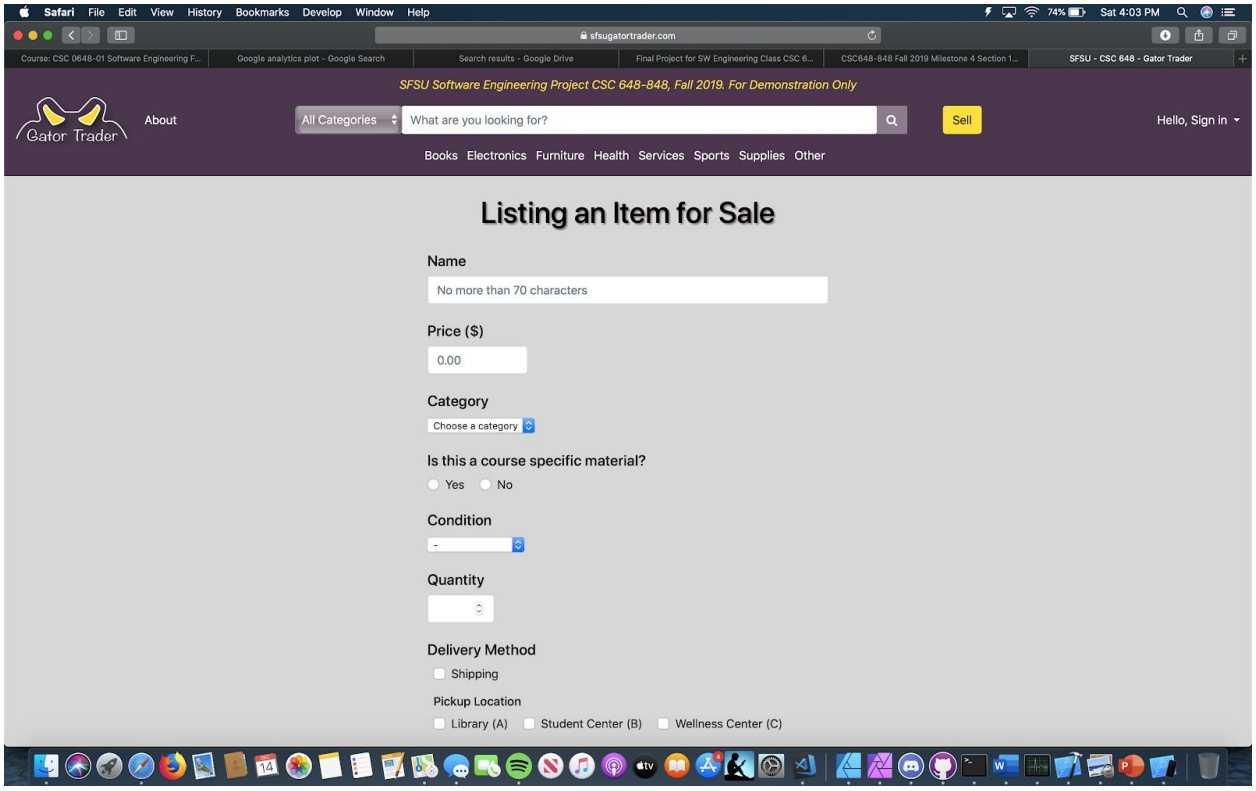
Dashboard Page:



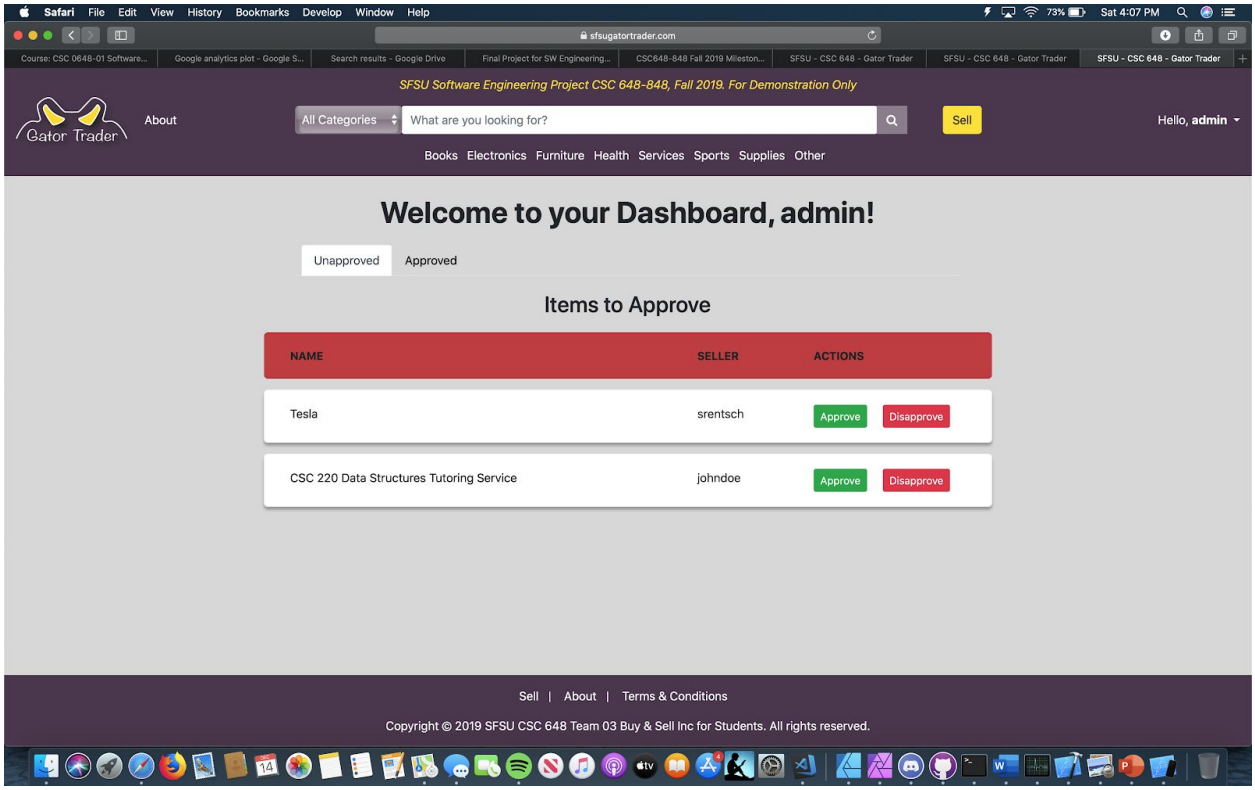
Contact Seller/ Message Page:



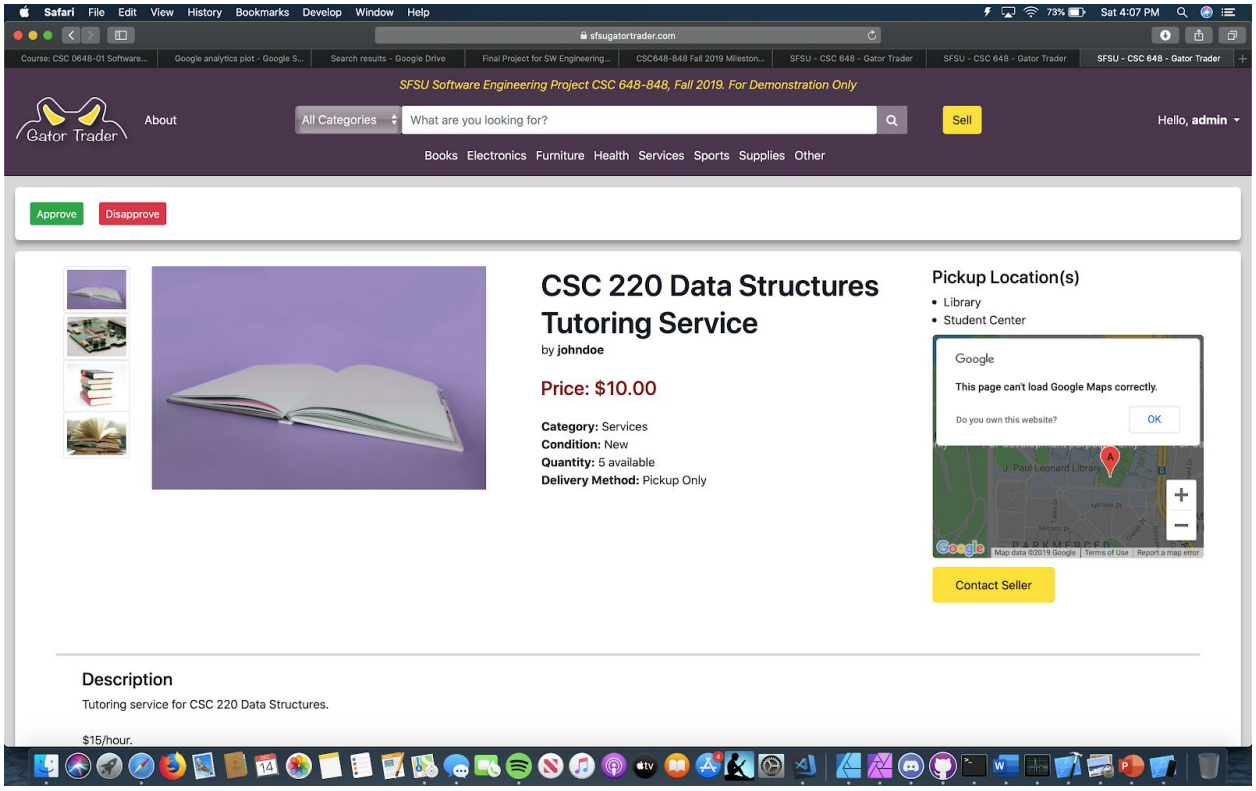
Listing an Item for Sale Page:



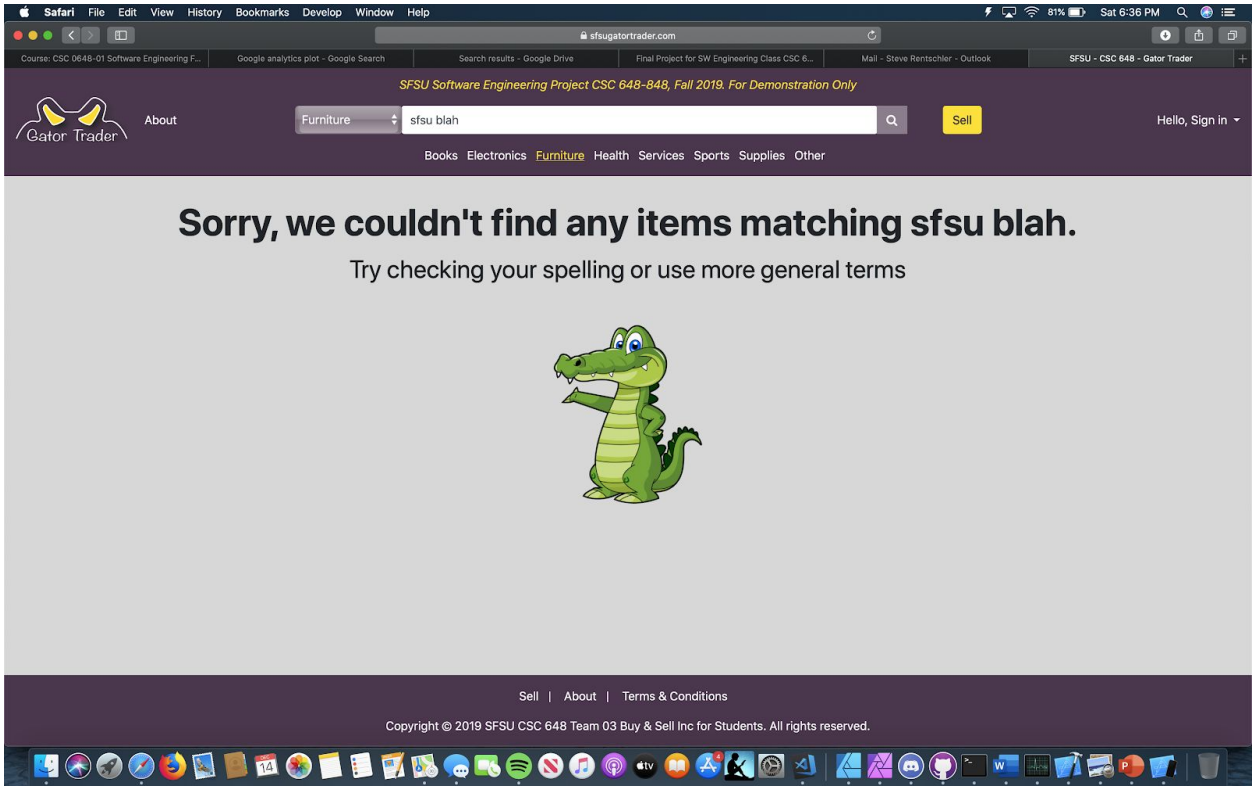
Admin Dashboard Page:



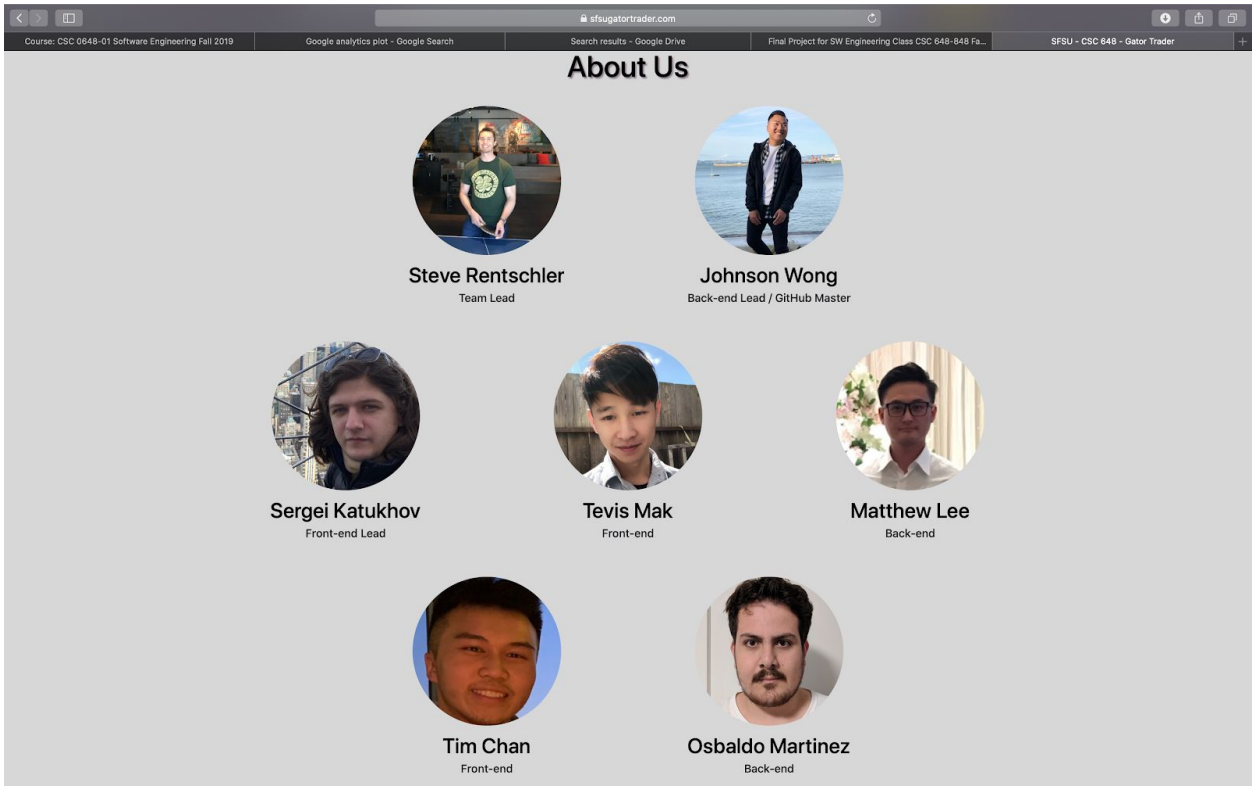
Admin Approval Page:



Error Page:


Safari File Edit View History Bookmarks Develop Window Help
Sat 6:36 PM
sfsugatortrader.com
SFSU Software Engineering Project CSC 648-848, Fall 2019. For Demonstration Only
Gator Trader
About
Furniture
sfsu blah
Sell
Hello, Sign in
Books Electronics Furniture Health Services Sports Supplies Other
Sorry, we couldn't find any items matching sfsu blah.
Try checking your spelling or use more general terms
Sell | About | Terms & Conditions
Copyright © 2019 SFSU CSC 648 Team 03 Buy & Sell Inc for Students. All rights reserved.

About Us Page:



Screen shots of key DB tables:

	cid	name	imgFileName
1	1	Books	booksColor.png
2	2	Electronics	electronicsColor.png
3	3	Furniture	furnitureColor.png
4	4	Health	healthColor.png
5	5	Services	servicesColor.png
6	6	Sports	sportsColor.png
7	7	Supplies	suppliesColor.png
8	8	Other	otherColor.png

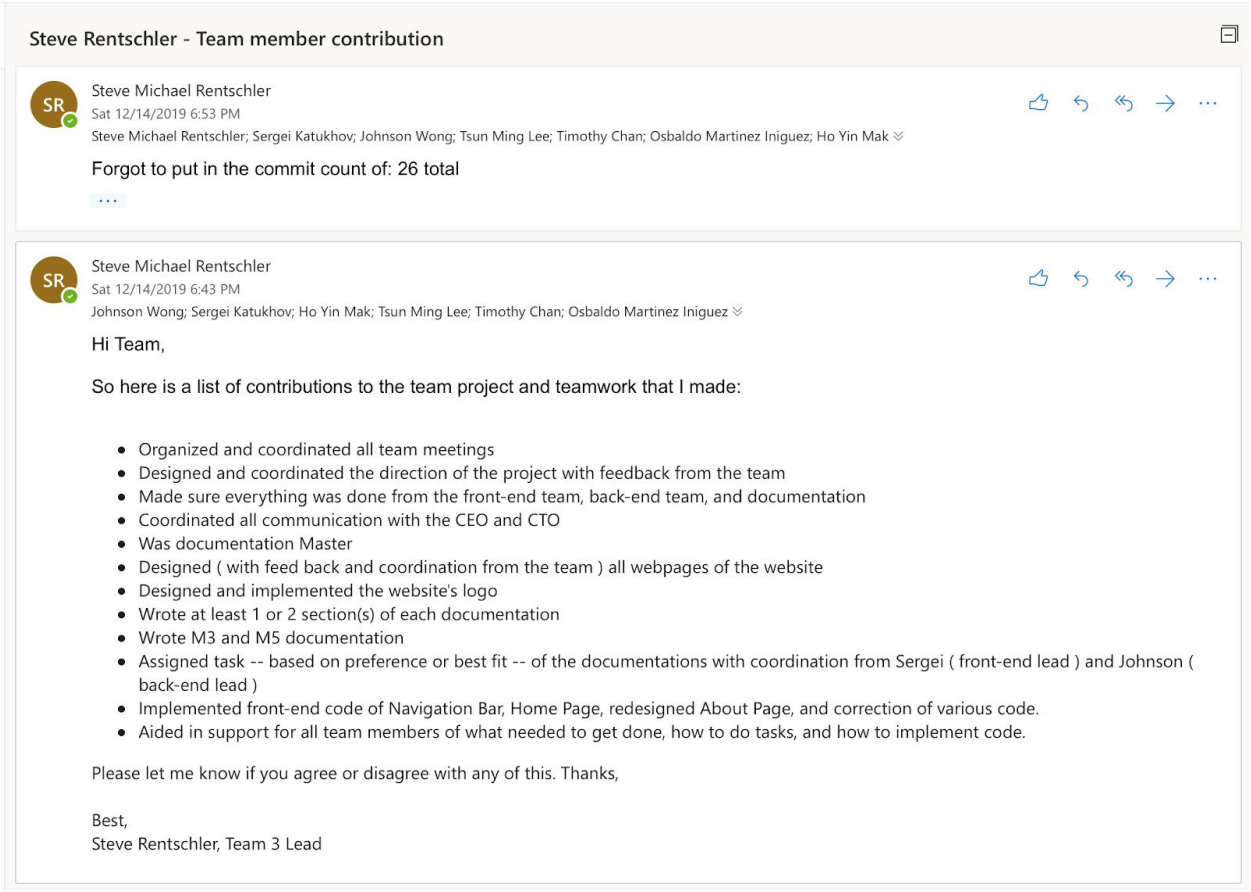
	sid	username	password	createdAt	lastLoggedIn
1	900000000	johndoe@mail.sfsu.edu	$2a$10$/WzMs5KMJlgmd8An7kCriOCJHbLKFvbZqBk5/f9G66AAIW4x9v/uG	2019-10-15 03:23:14	<null>
2	901234567	johnswong14@sfsu.edu	$2a$10$fTDjIaGlf5HunfMbq0oUsePBJxaVQibCO8SQnttCO3VjzCIBEBLh6	2019-11-30 00:42:51	<null>
3	907896588	zxcvbnm@mail.sfsu.edu	$2a$10$g8eAj3p8nl6OGvalsXDoO.pC5LVLwW4XgwdeZanvPuz/8eV01Ee6K	2019-12-06 19:48:16	<null>
4	911111111	haha12@mail.sfsu.edu	$2a$10$zfk9pGWz3toMu.01drImceD0FiSufiLd7k7steoKTPA.TxujqaLPa	2019-11-23 22:56:29	<null>
5	912312312	jim@sfsu.edu	$2a$10$C3AnLF3dxBI02bqA.m24HO1Iy.1.YkjGM.ouQoM5./GzgCejbf3Cq	2019-11-24 08:41:27	<null>
6	913340927	yin2225@mail.sfsu.edu	$2a$10$4mAN2x23kh/caL4C1o0PpOASOyJ8c.Pae/FiosYyR67hD9yQCRfe.	2019-12-05 23:29:24	<null>
7	916757204	omartin6@mail.sfsu.edu	$2a$10$3acYbvYalx.kK/eBH0Mt3ecMNqQ.ihGsv.i1IB9ls7ePg0LyrzQUe	2019-11-17 07:03:16	<null>
8	918291287	a@mail.sfsu.edu	$2a$10$IGPjF8l8z1PJJEIB3O.exu6O15LiYpWQYIETXtg33/t/5rA9vuSKu	2019-12-15 06:44:37	<null>
9	918541473	tlee12@mail.sfsu.edu	$2a$10$HASd4iH89X3gl/3qIs.7p.21Qq1wjjdfMsFx1Xapwc2Owyk1vM4Qe	2019-11-26 02:13:15	<null>
10	987654320	w@mail.sfsu.edu	$2a$10$EIzCZ9LhQA3XTSBEppGUhul9jA.P1r5cyuVMzgvUHS9KZ9nMb4IPi	2019-11-30 03:58:19	<null>
11	987654321	srentsch@mail.sfsu.edu	$2a$10$K6MwIkOd50xjOTJPRlZ9tOiQad8EAWhb6aHpvW5lrG08pAe47rhZq	2019-11-18 05:21:39	<null>

	pid	seller	category	name	price	condition	quantity	description	deliveryMethod	classMaterialSection
1	47b307e0-1d3c-11ea-878d-c96f44ccf1d4	987654321	8	Tesla	40.00	Used - Excellent	1	Selling my pride an…	Pickup Only	<null>
2	8705dcd7-08b2-11ea-a9e1-020ac34ce126	900000000	1	Data Structures & Abstractions with Java…	49.99	Used - Excellent	1	Data Structures & A…	Shipping & Pickup	1
3	8705e1ae-08b2-11ea-a9e1-020ac34ce126	900000000	1	Discrete Mathematics & Its Application b…	27.00	Used - Excellent	1	Discrete Mathematic…	Shipping Only	2
4	8705e346-08b2-11ea-a9e1-020ac34ce126	900000000	1	Computer Organization & Design by Patter…	123.50	New	1	Computer Organizati…	Shipping & Pickup	3
5	8705e483-08b2-11ea-a9e1-020ac34ce126	900000000	1	Data Abstraction & Problem Solving with …	62.00	New	1	Data Abstraction & …	Shipping Only	4
6	8705e65e-08b2-11ea-a9e1-020ac34ce126	900000000	1	Operating Systems Concepts by Silberscha…	75.00	Used - Fair	1	Operating Systems C…	Shipping Only	6
7	8705e732-08b2-11ea-a9e1-020ac34ce126	900000000	1	Foundations of Algorithms by Neapolitan,…	50.99	Used - Good	1	Foundations of Algo…	Shipping & Pickup	7
8	8705e7f3-08b2-11ea-a9e1-020ac34ce126	900000000	1	CSC 600 Programming Languages by Dujmovic	13.00	Used - Fair	1	CSC 600 Programming…	Shipping Only	8
9	8705e8bb-08b2-11ea-a9e1-020ac34ce126	900000000	1	Modern Programming Languages by Webber	33.00	New	1	Modern Programming …	Shipping & Pickup	8
10	8705e980-08b2-11ea-a9e1-020ac34ce126	900000000	1	Software Engineering by Sommerville, 10t…	119.99	Used - Good	1	Software Engineerin…	Shipping Only	9
11	8859b9c0-1a57-11ea-be39-dbeb281c94ae	987654320	2	Nintendo Switch	220.00	Used - Good	1	A cheap Nintendo sw…	Shipping Only	<null>
12	93263960-1d26-11ea-b399-7b02f86daff4	916757204	2	Xenoblade	25.00	Used - Excellent	1	A nintendo switch g…	Shipping & Pickup	<null>
13	a44bcd70-1d28-11ea-b399-7b02f86daff4	900000000	5	CSC 220 Data Structures Tutoring Service	10.00	New	5	Tutoring service fo…	Pickup Only	1
14	d1ede3e0-1d27-11ea-b399-7b02f86daff4	987654321	2	2019 16 inch Macbook Pro	2400.00	Used - Excellent	1	My macbook works gr…	Pickup Only	<null>

	imgId	product	fileName	submittedAt
1	99	8705dcd7-08b2-11ea-a9e1-020ac34ce126	1575697885710_pexels-photo-775998.jpeg	2019-12-07 05:51:25
2	100	8705e1ae-08b2-11ea-a9e1-020ac34ce126	1575697897082_books-yellow-book-reading.jpg	2019-12-07 05:51:37
3	101	8705e1ae-08b2-11ea-a9e1-020ac34ce126	1575697897083_pexels-photo-289738.jpeg	2019-12-07 05:51:37
4	102	8705e346-08b2-11ea-a9e1-020ac34ce126	1575698034620_pexels-photo-276452.jpeg	2019-12-07 05:53:54
5	103	8705e346-08b2-11ea-a9e1-020ac34ce126	1575698034621_stacked-books-1333742.jpg	2019-12-07 05:53:54
6	104	8705e346-08b2-11ea-a9e1-020ac34ce126	1575698034628_pexels-photo-207740.jpeg	2019-12-07 05:53:54
7	105	8705e346-08b2-11ea-a9e1-020ac34ce126	1575698034629_pexels-photo-335253.jpeg	2019-12-07 05:53:54
8	106	8705e483-08b2-11ea-a9e1-020ac34ce126	1575698077847_pexels-photo-335253.jpeg	2019-12-07 05:54:37
9	107	8705e483-08b2-11ea-a9e1-020ac34ce126	1575698077847_pexels-photo-267586.jpeg	2019-12-07 05:54:37
10	108	8705e65e-08b2-11ea-a9e1-020ac34ce126	1575698095487_pexels-photo-745760.jpeg	2019-12-07 05:54:55
11	109	8705e65e-08b2-11ea-a9e1-020ac34ce126	1575698095487_pexels-photo-256520.jpeg	2019-12-07 05:54:55
12	110	8705e65e-08b2-11ea-a9e1-020ac34ce126	1575698095488_pexels-photo-762686.jpeg	2019-12-07 05:54:55
13	111	8705e65e-08b2-11ea-a9e1-020ac34ce126	1575698095489_pexels-photo-267586.jpeg	2019-12-07 05:54:55
14	112	8705e732-08b2-11ea-a9e1-020ac34ce126	1575698105991_pexels-photo-762686.jpeg	2019-12-07 05:55:06
15	113	8705e732-08b2-11ea-a9e1-020ac34ce126	1575698105992_pexels-photo-745760.jpeg	2019-12-07 05:55:06
16	114	8705e732-08b2-11ea-a9e1-020ac34ce126	1575698105993_pexels-photo-1392854.jpeg	2019-12-07 05:55:06
17	115	8705e732-08b2-11ea-a9e1-020ac34ce126	1575698105993_board-printed-circuit-board-computer-electronics-163125.jpeg	2019-12-07 05:55:06
18	116	8705e7f3-08b2-11ea-a9e1-020ac34ce126	1575698115869_books-book-pages-read-literature-159866.jpeg	2019-12-07 05:55:15
19	117	8705e7f3-08b2-11ea-a9e1-020ac34ce126	1575698115870_books-education-school-literature-51342.jpeg	2019-12-07 05:55:15
20	118	8705e8bb-08b2-11ea-a9e1-020ac34ce126	1575698130432_pexels-photo-276452.jpeg	2019-12-07 05:55:30
21	119	8705e8bb-08b2-11ea-a9e1-020ac34ce126	1575698130432_stacked-books-1333742.jpg	2019-12-07 05:55:30

Team Member Contributions:

Steve Rentschler:



Steve Rentschler - Team member contribution

Steve Michael Rentschler
Sat 12/14/2019 6:53 PM
Steve Michael Rentschler; Sergei Katukhov; Johnson Wong; Tsun Ming Lee; Timothy Chan; Osbaldo Martinez Iniguez; Ho Yin Mak

Forgot to put in the commit count of: 26 total

...

Steve Michael Rentschler
Sat 12/14/2019 6:43 PM
Johnson Wong; Sergei Katukhov; Ho Yin Mak; Tsun Ming Lee; Timothy Chan; Osbaldo Martinez Iniguez

Hi Team,

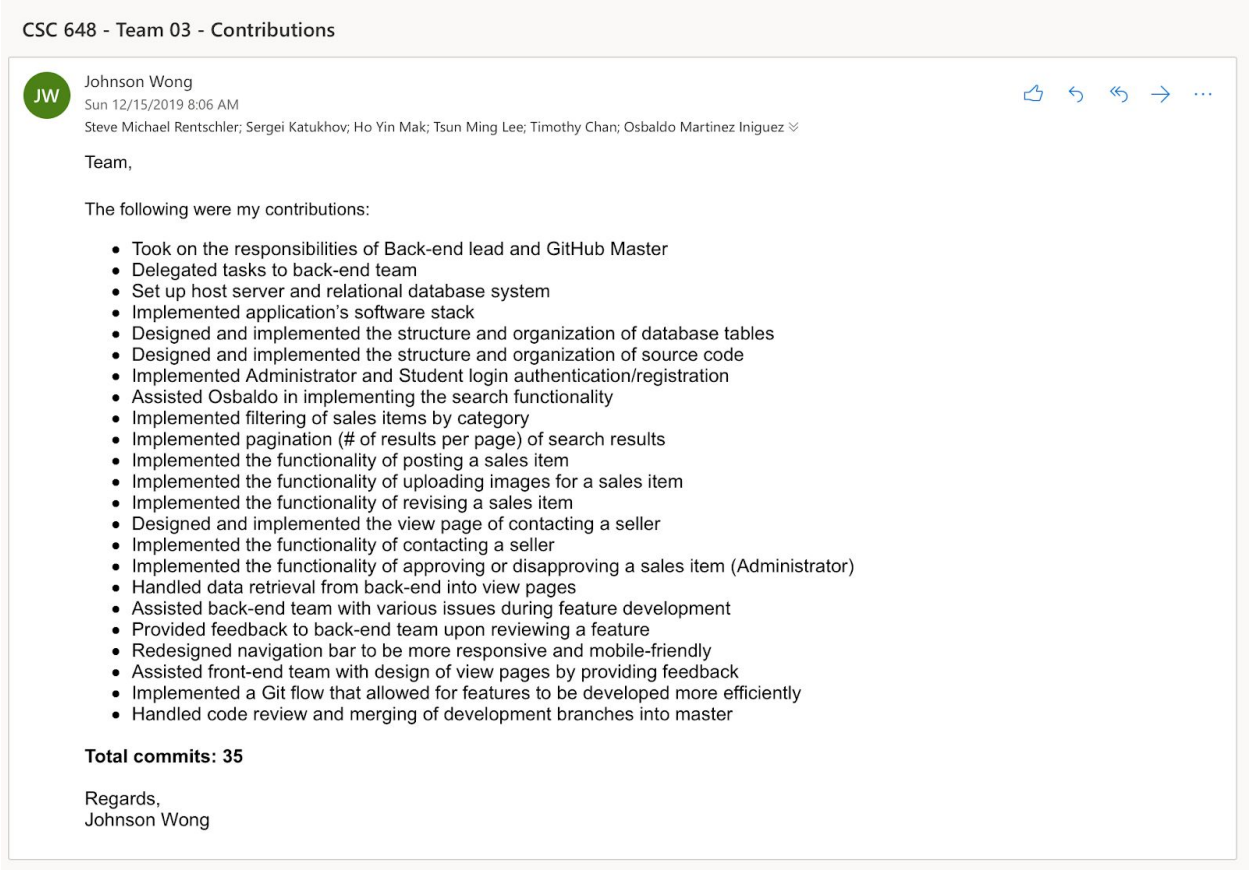
So here is a list of contributions to the team project and teamwork that I made:

- Organized and coordinated all team meetings
- Designed and coordinated the direction of the project with feedback from the team
- Made sure everything was done from the front-end team, back-end team, and documentation
- Coordinated all communication with the CEO and CTO
- Was documentation Master
- Designed (with feed back and coordination from the team) all webpages of the website
- Designed and implemented the website's logo
- Wrote at least 1 or 2 section(s) of each documentation
- Wrote M3 and M5 documentation
- Assigned task -- based on preference or best fit -- of the documentations with coordination from Sergei (front-end lead) and Johnson (back-end lead)
- Implemented front-end code of Navigation Bar, Home Page, redesigned About Page, and correction of various code.
- Aided in support for all team members of what needed to get done, how to do tasks, and how to implement code.

Please let me know if you agree or disagree with any of this. Thanks,

Best,
Steve Rentschler, Team 3 Lead

Johnson Wong:



CSC 648 - Team 03 - Contributions

JW

Johnson Wong
Sun 12/15/2019 8:06 AM
Steve Michael Rentschler; Sergei Katukhov; Ho Yin Mak; Tsun Ming Lee; Timothy Chan; Osbaldo Martinez Iniguez

Team,

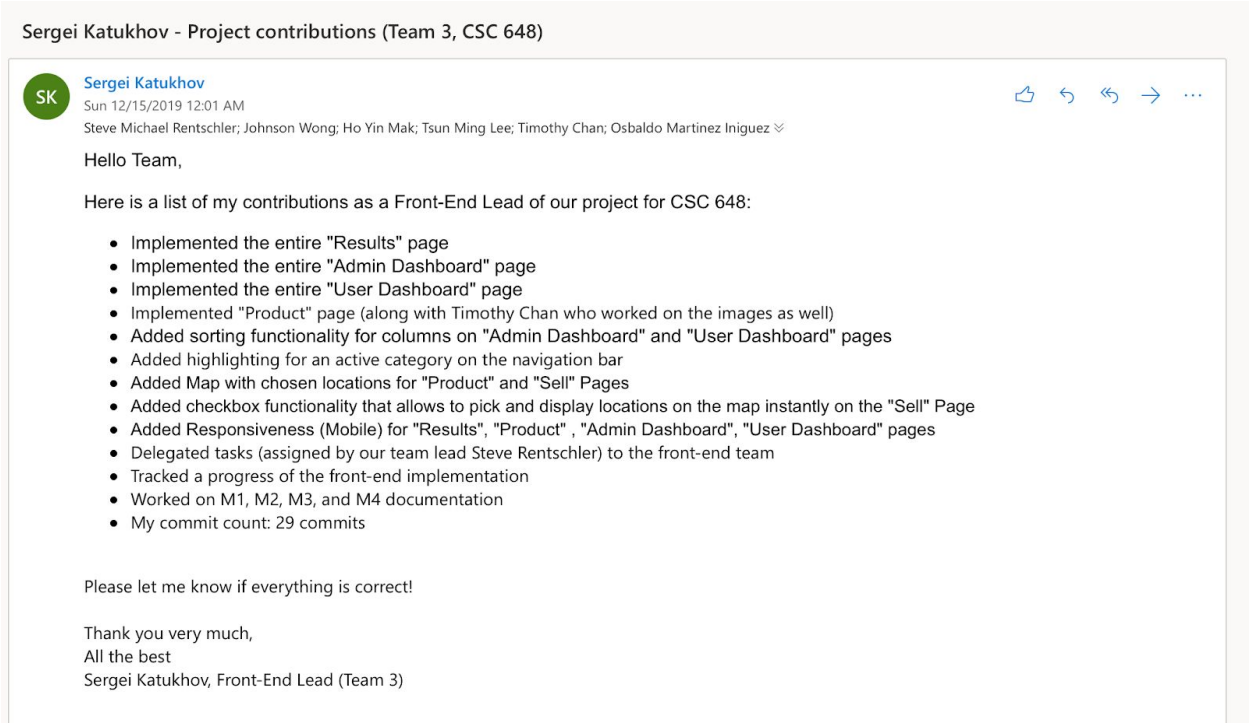
The following were my contributions:

- Took on the responsibilities of Back-end lead and GitHub Master
- Delegated tasks to back-end team
- Set up host server and relational database system
- Implemented application's software stack
- Designed and implemented the structure and organization of database tables
- Designed and implemented the structure and organization of source code
- Implemented Administrator and Student login authentication/registration
- Assisted Osbaldo in implementing the search functionality
- Implemented filtering of sales items by category
- Implemented pagination (# of results per page) of search results
- Implemented the functionality of posting a sales item
- Implemented the functionality of uploading images for a sales item
- Implemented the functionality of revising a sales item
- Designed and implemented the view page of contacting a seller
- Implemented the functionality of contacting a seller
- Implemented the functionality of approving or disapproving a sales item (Administrator)
- Handled data retrieval from back-end into view pages
- Assisted back-end team with various issues during feature development
- Provided feedback to back-end team upon reviewing a feature
- Redesigned navigation bar to be more responsive and mobile-friendly
- Assisted front-end team with design of view pages by providing feedback
- Implemented a Git flow that allowed for features to be developed more efficiently
- Handled code review and merging of development branches into master

Total commits: 35

Regards,
Johnson Wong

Sergei Katukhov:



Sergei Katukhov - Project contributions (Team 3, CSC 648)

SK

Sergei Katukhov
Sun 12/15/2019 12:01 AM
Steve Michael Rentschler; Johnson Wong; Ho Yin Mak; Tsun Ming Lee; Timothy Chan; Osbaldo Martinez Iniguez

Hello Team,

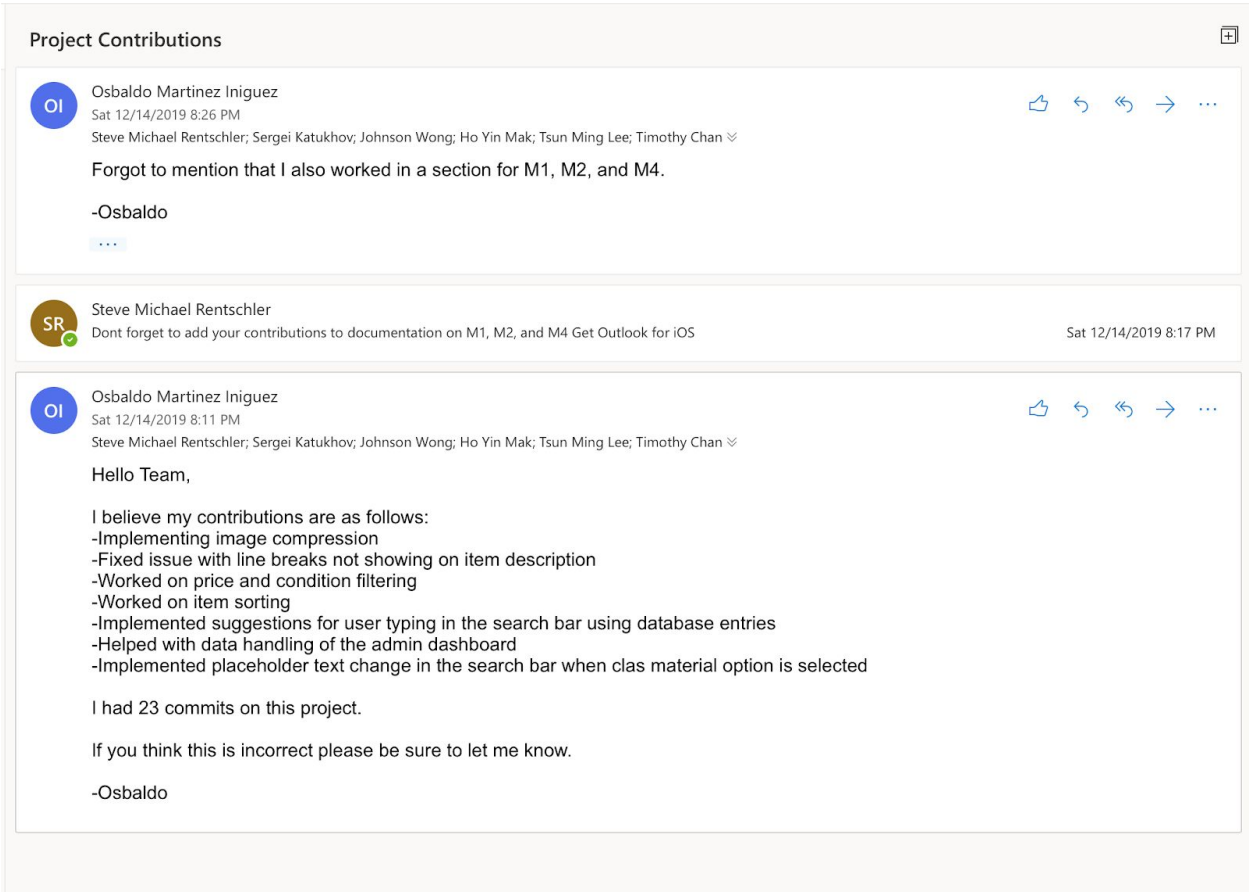
Here is a list of my contributions as a Front-End Lead of our project for CSC 648:

- Implemented the entire "Results" page
- Implemented the entire "Admin Dashboard" page
- Implemented the entire "User Dashboard" page
- Implemented "Product" page (along with Timothy Chan who worked on the images as well)
- Added sorting functionality for columns on "Admin Dashboard" and "User Dashboard" pages
- Added highlighting for an active category on the navigation bar
- Added Map with chosen locations for "Product" and "Sell" Pages
- Added checkbox functionality that allows to pick and display locations on the map instantly on the "Sell" Page
- Added Responsiveness (Mobile) for "Results", "Product" , "Admin Dashboard", "User Dashboard" pages
- Delegated tasks (assigned by our team lead Steve Rentschler) to the front-end team
- Tracked a progress of the front-end implementation
- Worked on M1, M2, M3, and M4 documentation
- My commit count: 29 commits

Please let me know if everything is correct!

Thank you very much,
All the best
Sergei Katukhov, Front-End Lead (Team 3)

Osbaldo Martinez:



Project Contributions

OI Osbaldo Martinez Iniguez
Sat 12/14/2019 8:26 PM
Steve Michael Rentschler; Sergei Katukhov; Johnson Wong; Ho Yin Mak; Tsun Ming Lee; Timothy Chan

Forgot to mention that I also worked in a section for M1, M2, and M4.

-Osbaldo

SR Steve Michael Rentschler
Dont forget to add your contributions to documentation on M1, M2, and M4 Get Outlook for iOS
Sat 12/14/2019 8:17 PM

OI Osbaldo Martinez Iniguez
Sat 12/14/2019 8:11 PM
Steve Michael Rentschler; Sergei Katukhov; Johnson Wong; Ho Yin Mak; Tsun Ming Lee; Timothy Chan

Hello Team,

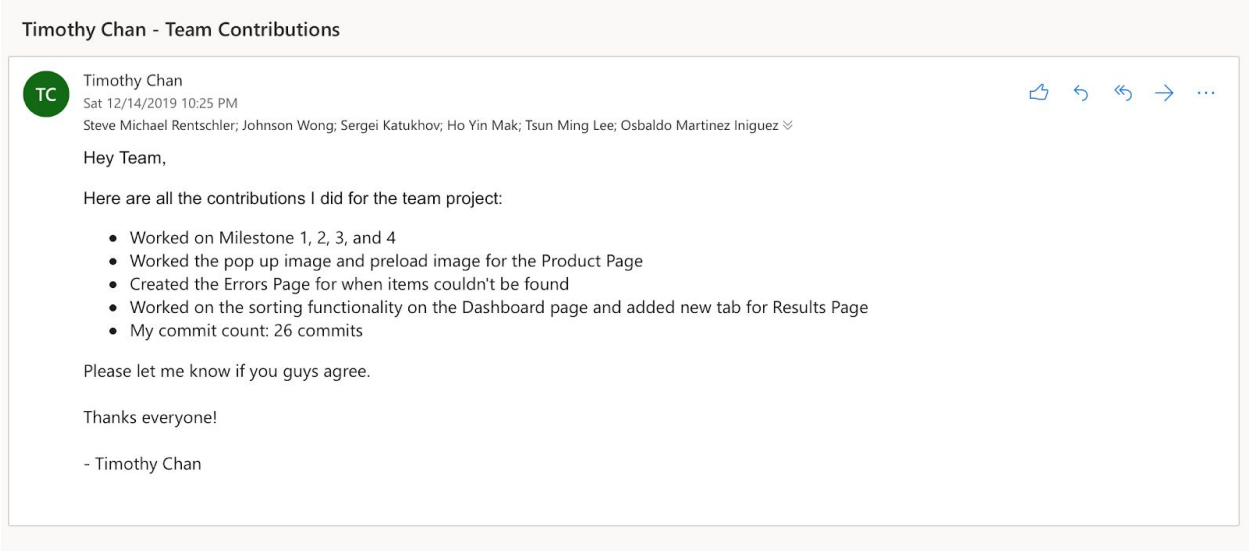
I believe my contributions are as follows:
-Implementing image compression
-Fixed issue with line breaks not showing on item description
-Worked on price and condition filtering
-Worked on item sorting
-Implemented suggestions for user typing in the search bar using database entries
-Helped with data handling of the admin dashboard
-Implemented placeholder text change in the search bar when clas material option is selected

I had 23 commits on this project.

If you think this is incorrect please be sure to let me know.

-Osbaldo

Timothy Chan (Tim):



Timothy Chan - Team Contributions

TC

Timothy Chan
Sat 12/14/2019 10:25 PM
Steve Michael Rentschler; Johnson Wong; Sergei Katukhov; Ho Yin Mak; Tsun Ming Lee; Osbaldo Martinez Iniguez

Hey Team,

Here are all the contributions I did for the team project:

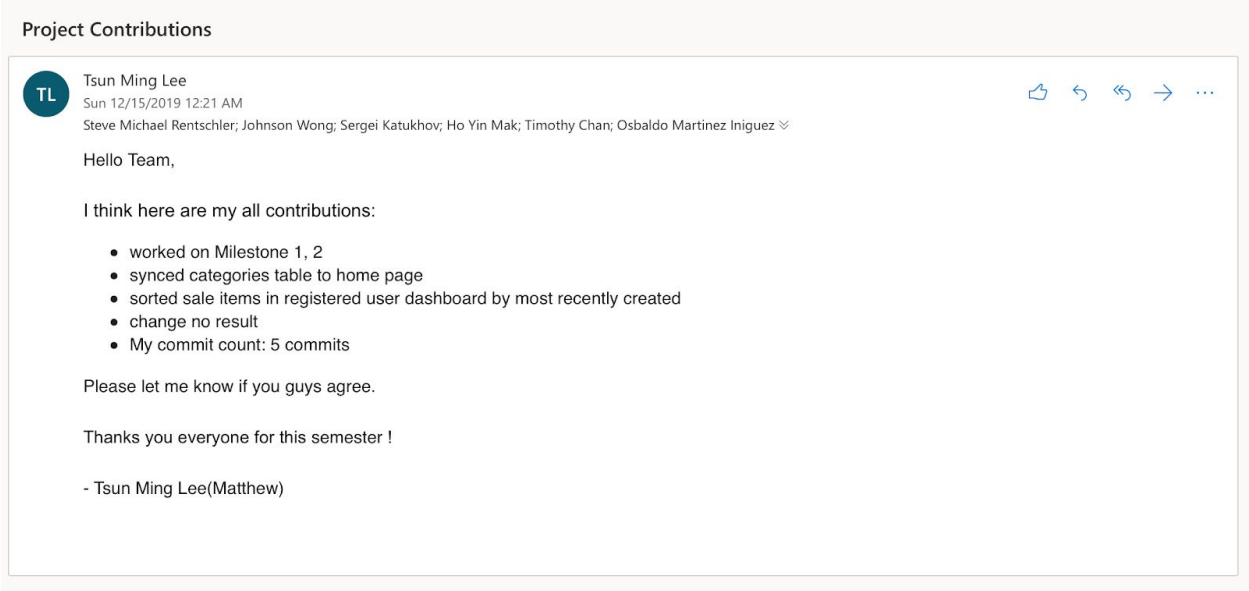
- Worked on Milestone 1, 2, 3, and 4
- Worked the pop up image and preload image for the Product Page
- Created the Errors Page for when items couldn't be found
- Worked on the sorting functionality on the Dashboard page and added new tab for Results Page
- My commit count: 26 commits

Please let me know if you guys agree.

Thanks everyone!

- Timothy Chan

Tsun Ming Lee (Mathew):



Project Contributions

TL

Tsun Ming Lee
Sun 12/15/2019 12:21 AM
Steve Michael Rentschler; Johnson Wong; Sergei Katukhov; Ho Yin Mak; Timothy Chan; Osbaldo Martinez Iniguez

Hello Team,

I think here are my all contributions:

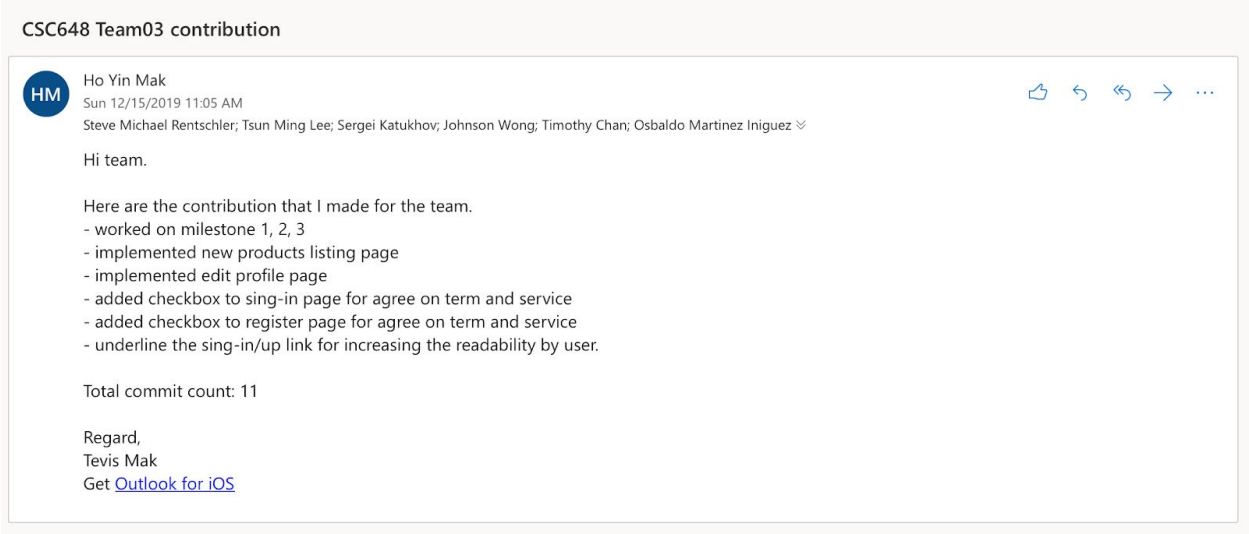
- worked on Milestone 1, 2
- synced categories table to home page
- sorted sale items in registered user dashboard by most recently created
- change no result
- My commit count: 5 commits

Please let me know if you guys agree.

Thanks you everyone for this semester !

- Tsun Ming Lee(Matthew)

Ho Yin Mak (Tevis):



CSC648 Team03 contribution

HM

Ho Yin Mak
Sun 12/15/2019 11:05 AM
Steve Michael Rentschler; Tsun Ming Lee; Sergei Katukhov; Johnson Wong; Timothy Chan; Osbaldo Martinez Iniguez

Hi team.

Here are the contribution that I made for the team.
- worked on milestone 1, 2, 3
- implemented new products listing page
- implemented edit profile page
- added checkbox to sing-in page for agree on term and service
- added checkbox to register page for agree on term and service
- underline the sing-in/up link for increasing the readability by user.

Total commit count: 11

Regard,
Tevis Mak
Get Outlook for iOS

Post analysis – lessons learned:

The main challenges I encountered on this project had to do with worrying about when things would get done and if they were done correctly. But in the end that's all it was, worrying. We never really had anything that came down to the last minute. It really helped that I had rock stars like Johnson and Sergei as my Back-end and Front-end team leads, and a great team who got things done on time. I also tried to make sure we had things done in a few days before they were do to ensure we had enough time to make changes if things weren't done right. To be honest, I learned a lot as a Team lead and Front-end Lead on my last project and made some changes based on the things I encountered with that project. So for this project, managing my team went a lot smoother. Last time I had a couple of issues with one person on the team that wouldn't do things on time and we had to rely on this person for things that were really important. This time, I made sure I had the right people in positions that we needed to rely on for really important tasks. I also divided up task more than I did last time, which helped me have more time to do other things that needed to get done.

What I could do next time to make things better for the team would be to assign the task more proportionally across the team. I know it's not a good idea to give a few people too many tasks, but certain people on the team showed more enthusiasm to get things done, so I ended up giving them more tasks. It would have been more fair to them to assign them less tasks, but I don't remember hearing any complaints that I gave anyone too much to do. It would also help me out tremendously to learn more about the back-end so I could help out the back-end team more and also to understand what needs to get done. That way I wouldn't have to rely on the back-end team as much and I would have a better understanding of how to put the project together.