

SW Engineering CSC648/848 Fall 2018

Gator Trader - Milestone 5

Team 14 local

Jack Cole (Team Lead) jcole2@mail.sfsu.edu, Christian Caeg, Achin Kalia

XiaoQian Huang, Juan Ledezma, Anthony Carrasco, Ryan Jin

Dec 18, 2018

<http://sfsu-list.us.to/>

Final Project for SW Engineering Class CSC 648-848 Fall 2018

2) Product summary

Name of product: Gator Trader

Features:

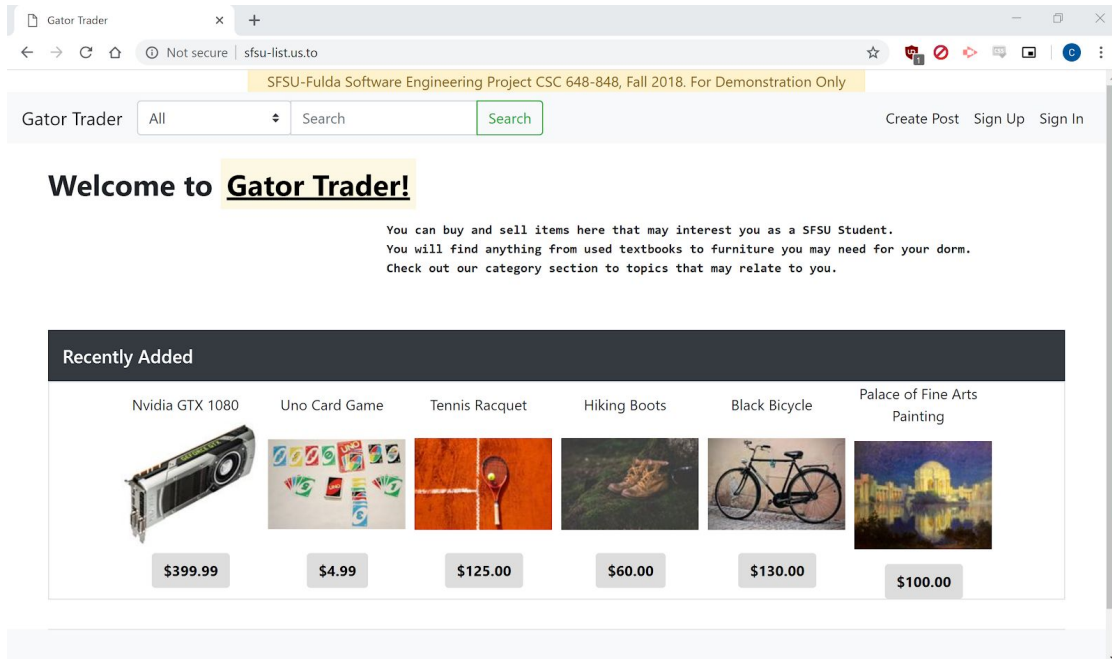
- Search
 - Users can search for posts by product name and category
- Details
 - Posts have price, description, and the option for negotiating price
- Sort by price:
 - Users can sort the posts by price (low to high, high to low)
- Messaging
 - Users can message each other directly on each product
- Login and Registration
 - Users are required to create an account, or login to one, to post
- User Dashboard
 - Users can view all their posts and messages in one convenient place
- Create post
 - Posts can be created by any users
- Working homepage
 - Homepage displays recently approved posts, and a description of our site
- One Image per Post
 - Users are required to include an image in their post

URL: <http://sfsu-list.us.to/>

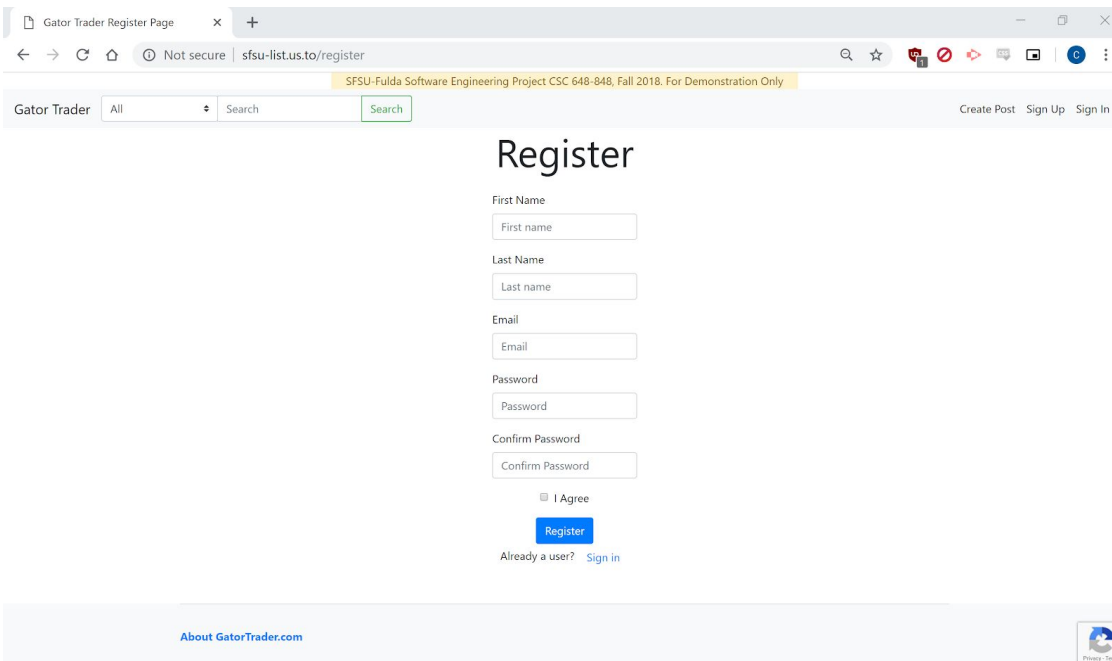
3) Milestone documents

4) Screen Shots of actual final product

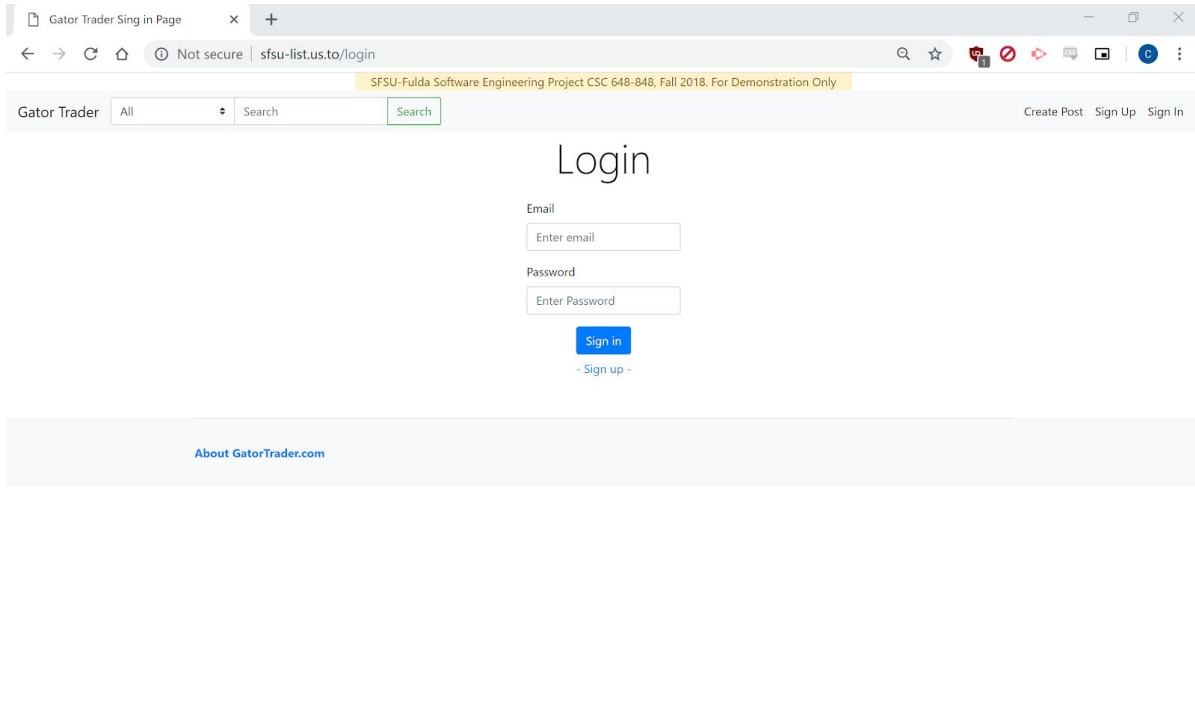
Home page:



Registration page:



Login page:



A screenshot of a web browser showing the login page of 'Gator Trader'. The browser's address bar displays 'sfsu-list.us.to/login'. A yellow banner at the top of the page reads 'SFSU-Fulda Software Engineering Project CSC 648-848, Fall 2018. For Demonstration Only'. The page header includes the 'Gator Trader' logo, a search bar, and links for 'Create Post', 'Sign Up', and 'Sign In'. The main content area is titled 'Login' and contains two input fields: 'Email' (with placeholder text 'Enter email') and 'Password' (with placeholder text 'Enter Password'). Below these fields is a blue 'Sign in' button and a link that says '- Sign up -'. At the bottom of the page, there is a link that says 'About GatorTrader.com'.

Gator Trader Sing in Page

Not secure | sfsu-list.us.to/login

SFSU-Fulda Software Engineering Project CSC 648-848, Fall 2018. For Demonstration Only

Gator Trader All Search Search Create Post Sign Up Sign In

Login

Email

Enter email

Password

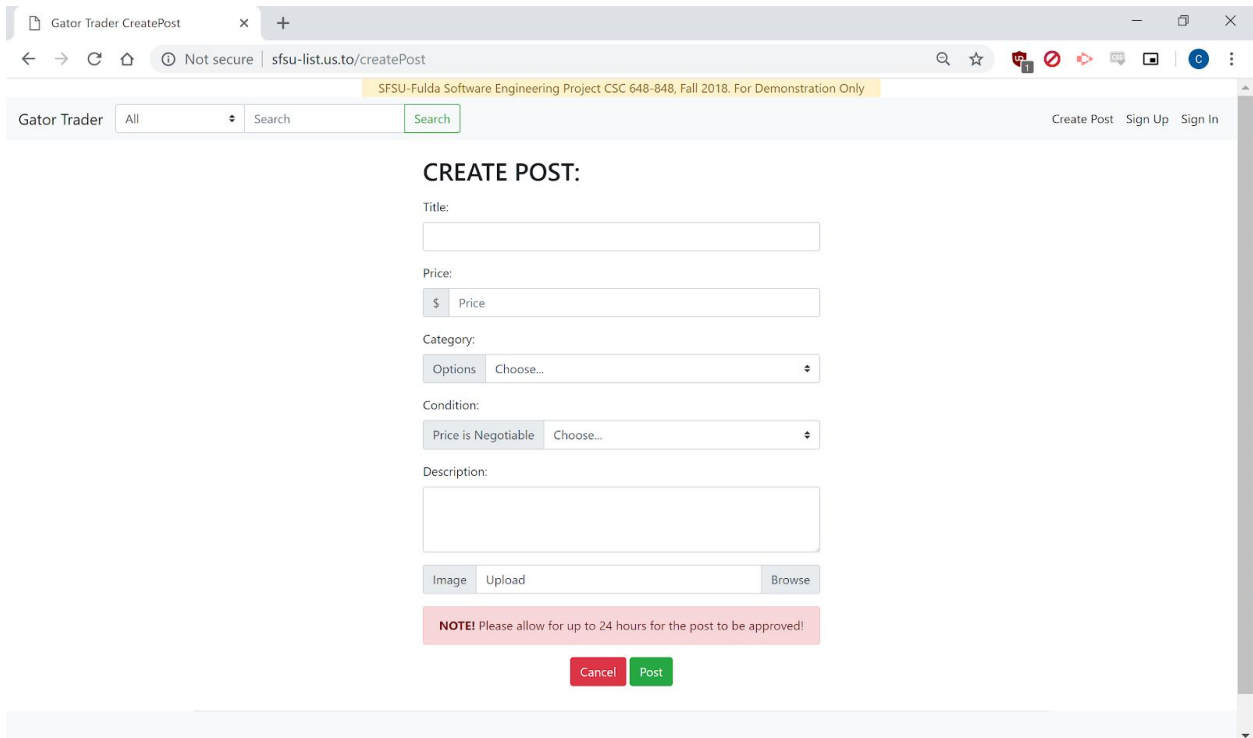
Enter Password

Sign in

- Sign up -

About GatorTrader.com

Create Post Page:



A screenshot of a web browser showing the 'Create Post' page of 'Gator Trader'. The browser's address bar displays 'sfsu-list.us.to/createPost'. A yellow banner at the top of the page reads 'SFSU-Fulda Software Engineering Project CSC 648-848, Fall 2018. For Demonstration Only'. The page header includes the 'Gator Trader' logo, a search bar, and links for 'Create Post', 'Sign Up', and 'Sign In'. The main content area is titled 'CREATE POST:' and contains several input fields: 'Title:', 'Price:' (with a '\$' icon and placeholder text 'Price'), 'Category:' (with a dropdown menu showing 'Options' and 'Choose...'), 'Condition:' (with a dropdown menu showing 'Price is Negotiable' and 'Choose...'), and 'Description:'. Below these fields is a text input field for the description. At the bottom of the form, there is a section for uploading an image, with labels 'Image', 'Upload', and a 'Browse' button. Below the image upload section, there is a red box with the text 'NOTE! Please allow for up to 24 hours for the post to be approved!'. At the very bottom, there are two buttons: 'Cancel' (red) and 'Post' (green).

Gator Trader CreatePost

Not secure | sfsu-list.us.to/createPost

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Gator Trader All Search Search Create Post Sign Up Sign In

CREATE POST:

Title:

Price:

\$ Price

Category:

Options Choose...

Condition:

Price is Negotiable Choose...

Description:

Image Upload Browse

NOTE! Please allow for up to 24 hours for the post to be approved!

Cancel Post

Post Success Page:

Gator Trader Post Successful


taco picture open source - Google

← → ↻ 🏠 ⓘ Not secure | sfsu-list.us.to/postSuccess?id=95 🔍 ☆ 🛑 🚫 🗨 📺 Ⓜ ⋮

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Gator Trader All Search Search Create Post Account (Christian) Admin Logout

You successfully created a Post!



Tacos

\$4

Seller: Christian

Description:

This is a really good taco. Guac not included.

Please wait up to 24 hours for your Post to be approved by an admin

About GatorTrader.com


Admin Page:

Gator Trader Admin

← → ↻ 🏠 ⓘ Not secure | sfsu-list.us.to/admin 🔍 ☆ 🛑 🚫 🗨 📺 Ⓜ ⋮

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Gator Trader All Search Search Create Post Account (Christian) Admin Logout

#		Status	Title	Description	Image	First Name
1	<div>Reject</div> <div>Approve</div>	pending	Airpods	Your nearest Costco is most likely sold out since this item is so popular. Selling my used pair (I bought a new set) for only 100\$.		Josh

About GatorTrader.com

Search Page:

Gator Trader - Search "book" Page

Not secure | sfsu-list.us.to/search?category_id=0&name=book


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Gator Trader All book Search Create Post Sign Up Sign In


results 0~2 of 2 "book"

Prev 1 2 3 ... Next

Sort By



Used Books For Various Classes
\$30.00
[More Info](#) [Contact](#)



First Gen Macbook Pro
\$1000.00
[More Info](#) [Contact](#)

[About GatorTrader.com](#)


Post Page:

Gator Trader Product

Not secure | sfsu-list.us.to/post?id=55

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Gator Trader All Search Create Post Sign Up Sign In



First Gen Macbook Pro
\$1000.00
Seller: Max
[Contact Seller](#)

Selling a used 2007 Apple Macbook Pro. Everyone knows Apple, the Lamborghinis of laptops, make amazing laptops. In fact, this thing hasn't gone down in value, but actually appreciated! Please, no low ballers and lets not waste each other's time.

Contact Page:

Gator Trader contact

sfsu-list.us.to/contact?user_id=26&post_id=55

SFSU-Fulda Software Engineering Project CSC 648-848, Fall 2018. For Demonstration Only

Gator Trader All Search Create Post Sign Up Sign In

Contact:

Post Title:

First Gen MacBook Pro

To:

Max

Message:

Cancel Send

About GatorTrader.com

User Page:

7-Zip CSC648 Term P CSC648 CSC648 New Tab CSC-64 TinyURL ZipShare Inbox Gator X burrito

sfsu-list.us.to/account


Gator Trader All Search Create Post Account (Christian) Admin Logout

Welcome User

My Posts Messages

Burrito


Status rejected



\$6

Tacos

Status approved





\$4

About GatorTrader.com

5) Screen shots of key DB tables

Category

	 id	 category_name
1	1	Phones
2	2	Furniture
3	3	Books
4	4	Computers
5	5	Video Games
6	6	Traditional Games
7	7	Food
8	8	Makeup
9	9	Bicycles
10	10	Sporting Goods
11	11	School Supplies
12	12	Artwork
13	13	Other

Message

Filter Criteria

	id	sender_id	recipient_id	sent_date	post_id	message
1	12	27	29	2018-12-18 19:50:33	59	What's up Jarred, I'm interested in the Office ...
2	13	29	27	2018-12-18 19:51:27	59	Hey Franky, I am indeed available on Tuesday fo...
3	14	27	29	2018-12-18 19:51:48	59	Sounds great to me. See you then.
4	15	29	27	2018-12-18 19:52:20	59	Ok.
5	16	41	23	2018-12-18 20:00:14	63	Can you do \$60?
6	17	41	29	2018-12-18 20:00:35	59	Can you do \$90?
7	18	43	25	2018-12-18 20:07:05	54	Is the tank full?

Post

ry_id	post_title	post_description	post_status	price
5	Xbox Console	An original Xbox console in OK condition.	approved	40.00
5	Nintendo Switch	Price is negotiable for 175\$ plus a week worth ...	approved	225.00
10	Lawn Mower	Used lawn mower. Has mowed my beautiful lawn fo...	approved	125.00
4	First Gen Macbook Pro	Selling a used 2007 Apple Macbook Pro. Everyone...	approved	1000.00
5	Xbox 360 + Xbox One Package	Hey guys, I'm selling a Xbox 360 + Xbox One as ...	approved	525.00
2	Brown Sofa	Selling a used brown sofa which can easily seat...	approved	65.00
2	Office Desk	I am selling a beautiful wood grain office desk...	approved	130.00
3	Gintama manga, never even read	Gintama manga, 1st volume. I just bought it bec...	approved	5.50
5	Pokemon Sun	I already caught them all so I dont want it any...	approved	20.00
9	Hotshot rear bicycle light, 50 lumens	It's really bright. Lets you be visible at nigh...	approved	20.00
13	Leather Slip on Shoes	Some old leather shoes of mine. They're in pret...	approved	84.99
4	Silly bad post	dfkjahdfjkahfjds	rejected	9999.00
2	White Chair	Nice white chair, used barely as I do not have ...	approved	25.00
11	Scientific Calculator	Selling simple Texas Instruments scientific cal...	approved	20.00
8	Complete Makeup Brush Set	Full set of authentic brushes that will make yo...	approved	60.00
3	Used Books for Various Classes	Book assortment from different classes, \$30 eac...	approved	30.00
1	Sidekick Cellphone	Bring back your favorite memories with a REAL D...	approved	115.00
9	Mountain Bike	Barely used, don't go out as much, you must pic...	approved	80.00
12	Palace of Fine Arts Painting	Painting I purchased in 2011 from the painter "...	approved	100.00
9	Black Bicycle	Selling a 2014 mountain bike. I've been using i...	approved	130.00

Registered_User

id	first_name	last_name	email	login_password
34	ja			42c1bc24f2342db652dcf36d72dc2663\$a691b4abd0eb...
11	Ant	Car	acarras4@mail.sfsu.edu	bbafc88b2b4e6cba9c55802f1078258c\$cc5a56f9e82d...
41	Adam	Smith	adamsmith@gmail.com	029b4f117cf02ac5070e4a8faae56d91\$826262d0e102...
19	Jack	Cole	adjklclajlkafdjlk@john.com	ac506e280471d6da7a3279e35828334a\$0f7f1975730a...
22	christian	caeg	ccaeg3@mail.sfsu.edu	ef31a49e9b4e2591640f94024a101114\$6a8628c4a4bd...
21	christian	caeg	ccaeg@mail.sfsu.edu	d95dcdb15cd2407b16375018da5d04a3\$22802db8f464...
20	Christian	Caeg	chriscaeg@gmail.com	d43def1bb4112ebd54b9b3863e373d35\$48f921df9439...
35	Jack	Cole	deleteTHis@jack-cole.com	d154616dd40727a951d0b1036afdc934\$7d1b94faef40...
27	Franky	Hart	frankfrank@gmail.com	64460be85fa2f49ddb5f534af967d30b\$adbc640f47a8...
23	Jack	Cole	gatortrader@jack-cole.com	ec40a7e7bb6555ee6b5108e051cceb8e\$34320c35f5cb...
26	Max	Wayde	iamdwyanesbrother@gmail.com	065beb62265c6d00dc808964adbabfbd\$173657611a36...
37	Jack	Cole	jack@jack-casdads	2bfa8f2465f6a20ece84ea16c534ecab\$bc08696a616d...
30	jennifer	moreno	jennifer.moreno@gmail.com	30f01184ec84cfa9b12c46b503232ff1\$13d9ccd56ab6...
31	Juan	Ledezma	jledezmagomez@mail.sfsu.edu	caflc6028da4a148e182821cec590df4\$1bb803db1d24...
32	Juan	Ledezpeppelin	jledzeppelin@gmail.com	165ea9927238e87116c7829b68a04ca3\$2e4d8272a181...
43	John	Neuhaus	johnneuhaus@gmail.com	00b931e61789b0acde450f7eb6c52e82\$7e228fa94a23...
46	Johnathan	Halls	johnny@j.com	be84efb8bfa7861bda4bb7d19121fd0d\$3f58cca9dd35...
24	Josh	Smith	jsmith1993@gmail.com	f274d2896a1b9553259d26a01ae9cb4b\$d4d771b3754d...
29	Jarred	Wong	jwong1995@gmail.com	3c76a28950c5dba7840e3382ea882bd7\$fbad26b18126...
25	Kayla	Johnson	kaylaj@gmail.com	7cb53d513b7001710b6e96fe04e44b59\$600d026445c7...
28	Leslie	Fernandez	leslieee@gmail.com	1dfa8f08d8c52657e8913ba36c7462b4\$3d67dc226f7f...
45	Lola	Cappuccino	Looola@gmail.com	8bb448c56d624211095ce30d3994e122\$7e258c5a5e7c...
42	Ryan	J	Ryan@gmail.com	3e48b6dbe7daee3d21d3c5a309677d6a\$4f47baabd3a71...
44	Stephen	Curry	sc30@gmail.com	270c3425e1b24f44e99bd24ee7e26db9\$a509f3bflc36...

6) Google analytics plot



7) Team Member Contributions

CSC 648 Team 14 Member Contributions



Jack S Cole

Today, 3:11 PM

juanledezma1995@gmail.com; Chris Caeg <chriscaeg@gmail.com>; Achin Kalia <kalia.achin@gmail.com>; josieixiao918@gmail.com; Anthony Steven Carrasco; Ryan Koji Jin



Reply all

Jack Cole, Team Lead

Contributions:

- Chose software stack
- Guided team with overarching architecture decisions
- Helped individual team members with coding problems
- Assigned tasks to individual members
- Organized meetings
- Contributed largely to milestone documents
- Reviewed code
- Pulled entire project together in massive crunch

Github: 142 commits

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Juan Ledezma

Today, 1:59 PM

Jack S Cole; chriscaeg@gmail.com; kalia.achin@gmail.com; josieixiao918@gmail.com; Anthony Steven Carrasco; Ryan Koji Jin



Reply all

Juan Ledezma, Back-end Lead

Contributions:

- Designed/created database and updated it as needed
- API
 - Retrieve all pending posts
 - Change status of posts, to be done by admin only
 - Initial creation of post
 - Initial registration of users, with encrypted passwords
 - User Login/Logout
 - Generic functions for all models to use
 - Initial setup of sessions so that the appropriate pages/API could only be accessed by authorized people (registered users, admins)
- Researched the most widely-used modules to use for the features our website needed to implement, and did their initial setup:
 - Multer for multipart request bodies, Sharp for image processing, Express-session and cookie-parser for sessions, Body-parser for parsing request bodies
- Helped backend members understand the structure of the code, and explained what needed to be done for some of the tasks they were assigned to do

Github: 34 commits



Chris Caeg <chriscaeg@gmail.com>

Today, 2:30 PM

juanledezma1995@gmail.com; Jack S Cole; Achin Kalia <kalia.achin@gmail.com>; josieixiao918@gmail.com; Anthony Steven Carrasco; Ryan Koji Jin



Reply all

Christian Caeg, Front-end Lead

Contributions:

- Created a variety of different html pages for the website:
 - Template
 - Create Post page
 - Contact Page
 - Admin page
- Helped team lead with creating documentation for the assignment.

Github: 16 commits

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Ryan Koji Jin

Today, 3:08 PM

Chris Caeg <chriscaeg@gmail.com>; juanledezma1995@gmail.com; Jack S Cole; Achin Kalia <kalia.achin@gmail.com>; josixiao918@gmail.com; Anthony Steven Carrasco

👍 ⚙️ Reply all | ▾

Ryan Jin, Backend Team Member
Contributions:

- * Worked on creating the URLs to the front pages.
-- /login, /user, /admin, etc.
- * Worked on creating basic functions for multiple APIs.
-- Backend: api/message, api/message/send, etc.
-- Frontend: getPostDetails, getPostMessages, etc.
- * Worked on limiting the post search.
-- Only accepts a maximum of "40 alpha numeric characters" using regex.
- * Worked on including registered user name in a post.
-- Implemented with SQL by joining tables.
- * Worked on initial implementation of the Message API
-- Messages should be able to be sent and received between two registered users.
-- Creating the needed functions in controller and business layer.
-- Creating the message model.
- * Overall worked as a team to develop the backend.
-- Added a few lines of code here and there to other functions.
- * Tested the functionality of our website before deployment.
-- Making sure lazy registration, account creation, and messaging between multiple users performed correctly.

Github: 50 commits



Achin Kalia <kalia.achin@gmail.com>

Today, 3:08 PM

Chris Caeg <chriscaeg@gmail.com>; juanledezma1995@gmail.com; Jack S Cole; josixiao918@gmail.com; Anthony Steven Carrasco; Ryan Koji Jin

👍 ⚙️ Reply all | ▾

Achin Kalia, Member of Front-End

Contributions:

- Home page
 - * Carousel (Removed)
 - * Popular
 - * Recently Added
- Sign in page
- Sign up page
 - * Captcha (Removed)
- Added google analytics
- Helped with documentation

Github Commits: 22



Xiaoqian Huang

Today, 2:29 PM

Jack S Cole; Chris Caeg <chriscaeg@gmail.com>; Achin Kalia <kalia.achin@gmail.com>; Anthony Steven Carrasco; Ryan Koji Jin; juanledezma1995@gmail.com

👍 ⚙️ Reply all | ▾

XiaoQian Huang, Member of Front-end

Contributions:

- # Search page
 - created search page to display the posts
 - created function to generate posts and posts counts
 - created function to clear posts
 - when search no results, tell user and show latest products
- # Main.css
 - combine all css files into one single css file
 - set max height and width for each post
- # Post page
 - created post page
 - created function to show the posts details
- # Help page
 - created help page
- # account page
 - created account page

Github submit: 42 commits



Anthony Steven Carrasco

Dec 18, 2018, 7:07 PM (

to Jack, juanledezma1995@gmail.com, Chris, Achin, josiexiao918@gmail.com, Ryan ▾

Anthony Carrasco , Backend Dev.

Contribution-

- Created Category Model 'Category.js'
- Edited search.njk to include search

Base Model

- Edited 'getMultipleByFilters' to include direction 'sort'

Post Model

- Added locations of images and thumbnails to JSON
- Added method to grab all recent posts

app.js

- Help edit '/api/post/search' to include direction 'sort'
- Added direction 'sort' to search '/search'
- Created 'api/categories' returns all categories
- Created 'api/post/recent'

Number of submissions: 35 commits

8) Post analysis – lessons learned

After leading a team, there were quite a lot of challenges to getting this project complete. The primary one was keeping track of everyone's tasks. I personally feel responsible that some team members may have fallen behind on their work, because I didn't check up on them more often. On top of this, during a major break in school, I just dropped the project and forgot about it for roughly 2 or 3 weeks.

On top of this, I gave the team a more hands off approach, and only until near the very end did I realize certain essential tasks were not complete, which resulted in a massive crunch at the end.

Another thing is the architecture of the software was over complicated. I chose to use a combination of HTML and JS to make API requests to the server, instead of simplifying it with server side scripting language. This caused immense difficulty for the front end team, whom I thought would have an easier time with the front end. The backend team ended up completing their assignments far easier. By the time I realized this, most of the site had already been designed and we would have to throw away a lot of work late into the semester.

I also wasn't very motivating. I never brought food to meetings, despite every class meeting CEO telling us that food is essential to motivating software engineers.

How would I address these issues? Do check ups TWICE a week on team members tasks. I would also set hard deadlines on tasks, and inform the CEO any time a deadline is missed. If the CEO thinks that these deadline misses are fine, then ok. But if they warrant action, then he can step in. And even during weekly breaks from school, I would still try to get team members to do tasks. I would also step in to get things working at an earlier date, instead of waiting to the very end.

On top of this, I would have had the software organized much simpler. The usage of JS for API calls over complicated the issue. Using a template engine, and passing in the data to the template, would have been far simpler for the front end team.