

SW Engineering CSC648/848 Fall 2018

Gator Saver

Team 9

Jake Carter
Gordon Su
Alvin Lee
Wagner Ayllon
Tina Nguyen
Martin Lee
Gary Deng

Team lead email: jcarter4@mail.sfsu.edu

URL: <http://35.235.67.248/>

Milestone 5

12-17-18

Product Summary

Our product, the Gator Saver, will provide a platform for San Francisco State University students to buy and sell to each other. This will allow students to save money when buying textbooks or other school related materials. Additionally, students will be able to recuperate the costs of old school materials by selling them to other students. When released, our product will have the following features:

- Login/Registration:
 - Users shall be able to create accounts and log into them, and remain logged in during the duration of their session
 - Stored passwords will be hashed, and registration page will have a captcha
- Search with Results:
 - Users shall be able to search by text or by category, and be brought to a results page
- Post details:
 - Each post shall have a details page with a title, image, price, and details about item posted
- Messaging:
 - Users shall be able to send messages to other users about posts and respond to them
- Seller Dashboard:
 - Users shall have a dashboard to see the status of their posted items
- Admin:
 - Administrators shall be able to approve/deny posts before they are viewable on the website

Link to website: <http://35.235.67.248>


Screenshots of final product

Home Page

Home Analytics

localhost:5000





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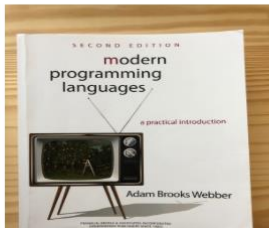


 All Categories Search LOGIN / JOIN

About Us | Post an Item

Welcome to Gator Saver, where SFSU students can buy and sell to each other!

RECENTLY POSTED

			
Old Printer	\$40.00	HP laptop	\$200.00
		earrings	\$20.00
		gray desk	\$110.00

			
Old Printer	modern programming languages	white armchair	Gucci belt


Search (for electronics)

Search Results

Analytics

localhost:5000

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All Categories


Search

LOGIN / JOIN

About Us | Post an Item


Welcome to Gator Saver, where SFSU students can buy and sell to each other!

RECENTLY POSTED




Old Printer

\$40.00




HP laptop

\$200.00



Dell laptop

\$140.00



Calculator

\$5,000.01

Individual Post


Register

Analytics

gucci belt

← → ↻ ⓘ Not secure | 35.235.67.248/IndividualPost/4 ☆ 📄 📱 📧 ⋮

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All Categories ▾ Search 🔍

LOG OUT / DASHBOARD

About Us | Post an Item

Welcome to Gator Saver, where SFSU students can buy and sell to each other!

gucci belt



Category: Clothing
Price: \$ 100.0
Date Created: 12/12/2018 01:41:47
Description: lightly worn

Message:
Interested? Send a message to the seller!

Send

Create Post

All Categories ▼	Search 
------------------	--

[LOG OUT](#) / [DASHBOARD](#)

[About Us](#) | [Post an Item](#)

Welcome to Gator Saver, where SFSU students can buy and sell to each other!

Create a Post

Title:

Category: ▼

Price:

(Optional)
Description:

(Optional)
Image:

Note: It may take up to 24 hours for approval of your post request.

Create Post

Cancel


Login

Login

Analytics

localhost:5000/login

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



All Categories

Search

LOGIN / JOIN

About Us | Post an Item

Welcome to Gator Saver, where SFSU students can buy and sell to each other!

Log in

User Name

Password

Forgot your password ? [Click here!](#)

New user? [Register here!](#)

Login

Register


Register

Analytics

Register

+

← → ↻ ⓘ Not secure | 35.235.67.248/SignUp 🔑 ☆ 📄 🛡️ 1 📧 J ⋮



All Categories ▾

Search 🔍

LOGIN / JOIN

About Us | Post an Item

Welcome to Gator Saver, where SFSU students can buy and sell to each other!

Create Account

User Name

Email


Password

Re-Password

By creating an account, you agree to our [terms and conditions of use](#).

☐ I agree to the terms and conditions of use

☐ I'm not a robot


reCAPTCHA
[Privacy](#) - [Terms](#)

Create Account

[Already have an account? Login here!](#)

Posts Dashboard

Gator Shopper

Analytics

Register

localhost:5000/Dashboard/Posts/3

All Categories

Search

DASHBOARD

About Us | Post an Item

Welcome to Gator Saver, where SFSU students can buy and sell to each other!


Macbook with Charger

Posts

Messages

Post:	Approval Status:
Laptop	pending
Calculator	approved
Macbook with Charger	pending
gucci belt	approved
pearl bracelet	pending
white chair	approved
CCO 256	

Approval: pending



Category: Electronics
Price: \$ 800.0
Description: contains free charger

Messages Dashboard


new watch

Analytics

Admin Dashboard

* csc648-group9 | SFSU Comp

localhost:5000/Dashboard/Messages/4



All Categories

Search

LOG OUT / DASHBOARD

About Us | Post an Item

Welcome to Gator Saver, where SFSU students can buy and sell to each other!

new watch

Posts

Messages

Message From:	About Post:
Jake	xbone
Jake	new watch
Jake	new watch

Jake: Hello I'm interested...

test: Sure! it's only 1 year old and still in good condition

Jake: Can we talk about price?

Reply...

Send

Admin Dashboard

Register

Analytics

Admin Dashboard

← → ↻ ⓘ Not secure | 35.235.67.248/Admin/Dashboard

Logout

Post:

Laptop

Macbook with Charger

pearl bracelet

CSC 256 Textbook


Desk Chair

Egypt text

Gaming Laptop

Necklace Earring set

Laptop



Category: Electronics
Price: \$ 5000.01
Description: First post

Approve

Deny

Database Tables

Users Table

	UserName	password_hash
1	Sarah	pbkdf2:sha256:50000\$c006Z9sm\$9b8cfea6ac6f46bc76b0e7229..
2	test	pbkdf2:sha256:50000\$OVKYmmLw\$c12538f9db7624c5eb73b5b21..
3	Bill	pbkdf2:sha256:50000\$N0aIHBR8\$acd67398c7f63d5ee6683eb93..
4	Paul	pbkdf2:sha256:50000\$1maOPxCG\$c643e115b99ec3b35f3054d01..
5	Jake	pbkdf2:sha256:50000\$1Mn3pWTC\$de98c14eee241914052ed8e2f..

Posts Table

	name	author	price	description	image	id	category	approval	date
1	Laptop	test	5000.01		Post_1.jpg	1	Electronics	pending	2018-12-12 01:18:46.229194
2	Calculator	test	5000.01		Post_2.jpeg	2	Electronics	approved	2018-12-12 01:19:43.318538
3	Macbook with Charger	test	800	contains free ch..	Post_3.jpg	3	Electronics	pending	2018-12-12 01:40:48.455879
4	gucci belt	test	100	lightly worn	Post_4.jpg	4	Clothing	approved	2018-12-12 01:41:47.717955
5	pearl bracelet	Sarah	50		Post_5.jpg	5	Misc	pending	2018-12-12 01:42:22.328394
6	white chair	Sarah	80		Post_6.jpg	6	Books	approved	2018-12-12 01:42:58.493824
7	CSC 256 Textbook	test	40		Post_7.jpg	7	Books	pending	2018-12-12 01:43:48.073004
8	CSC 600 Textbook	Bill	40		Post_8.jpg	8	Books	approved	2018-12-12 01:44:16.281723
9	Dell laptop	Bill	140		Post_9.jpg	9	Electronics	approved	2018-12-12 01:44:33.706035
10	Desk Chair	test	60		Post_10.jpg	10	Furniture	pending	2018-12-12 01:44:53.895200
11	gray desk	test	110		Post_11.jpg	11	Furniture	approved	2018-12-12 01:45:19.538709
12	earrings	Sarah	20		Post_12.jpg	12	Misc	approved	2018-12-12 01:45:39.357951
13	Egypt text	Bill	30		Post_13.jpg	13	Books	pending	2018-12-12 01:46:01.829807
14	Gaming Laptop	Sarah	800		Post_14.jpg	14	Electronics	pending	2018-12-12 01:46:21.967224
15	HP laptop	Sarah	200		Post_15.jpg	15	Electronics	approved	2018-12-12 01:46:36.303778
16	Necklace Earring set	Sarah	50		Post_16.jpg	16	Misc	pending	2018-12-12 01:47:51.434510
17	Old Printer	test	40		Post_17.jpg	17	Electronics	approved	2018-12-12 01:48:10.789046
18	Playstation 4	Bill	130	includes some ra..	Post_18.jpg	18	Electronics	pending	2018-12-12 01:48:51.113794
19	Random Graph book	test	130		Post_19.jpg	19	Books	pending	2018-12-12 01:49:13.210688
20	Scanner	Paul	40		Post_20.jpg	20	Electronics	pending	2018-12-12 01:49:45.814196
21	Big sofa	Paul	300		Post_21.jpg	21	Furniture	pending	2018-12-12 01:50:08.940983
22	vaio laptop	Sarah	250		Post_22.jpg	22	Electronics	pending	2018-12-12 01:50:29.911823
23	dope sound system	Paul	250	bass is crazy	Post_23.jpg	23	Electronics	pending	2018-12-12 01:50:50.459223
24	stats book	Jake	60		Post_24.jpg	24	Books	pending	2018-12-12 01:51:29.587314
25	end table	Jake	70		Post_25.jpg	25	Furniture	pending	2018-12-12 01:51:50.678932
26	The Probabilistic Met...	test	60		Post_26.jpg	26	Books	pending	2018-12-12 01:52:10.935348
27	Thinkpad Laptop	test	210		Post_27.jpg	27	Electronics	pending	2018-12-12 01:52:45.273743
28	TV stand	Bill	110		Post_28.jpg	28	Electronics	pending	2018-12-12 01:53:10.699123
29	Television	Bill	170		Post_29.jpg	29	Electronics	pending	2018-12-12 01:53:31.967157
30	Gucci Wallet	Sarah	200		Post_30.jpg	30	Misc	pending	2018-12-12 01:54:12.472235
31	new watch	test	200		Post_31.jpg	31	Misc	pending	2018-12-12 01:54:46.671435
32	xbone	Bill	140		Post_32.jpg	32	Electronics	pending	2018-12-12 01:55:14.240353

Messages Table

	id	sentFrom	sentTo	postId	postTitle	message	date
1	1	Jake	test	32	xbone	I wanna buy this!	2018-12-17 03:17:57.
2	2	Jake	test	31	new watch	Hello I'm interested...	2018-12-17 03:19:09.
3	3	test	Jake	31	new watch	Sure! it's only 1 year...	2018-12-18 01:22:58.
4	4	Jake	test	31	new watch	Can we talk about price'	2018-12-18 01:24:20.
5	5	Paul	Sarah	12	earrings	Those are pretty! I'm ...	2018-12-18 01:36:17.
6	6	Paul	Bill	8	CSC 600 ...	I need this for class!...	2018-12-18 01:36:43.
7	7	Sarah	test	11	gray desk	I need a new desk! Can...	2018-12-18 01:37:23.

Google Analytics

Google Analytics Home



What pages do your users visit?

Page	Pageviews	Page Value
/	200	\$0.00
/results	73	\$0.00
/Dashboard	47	\$0.00
/IndividualPost/1	36	\$0.00
/login	36	\$0.00
/CreatePost	35	\$0.00
/about	24	\$0.00
/IndividualPost/31	19	\$0.00
/SignUp	14	\$0.00
/IndividualPost/32	8	\$0.00

Last 7 days ▾

[PAGES REPORT >](#)

Team Member Contributions



Jake Anthony Carter

Sun 12/16/2018 11:22 PM

To: gary9067@gmail.com; alvinrobertlee@gmail.com; wagner9@mail.sfsu.edu; Tina Nguyen;

Martin Jeffrey Lee; Gordon G Su ↗



Reply all | ▾

Name: Jake Carter

Role: Team lead

Contribution: Editor for milestones 1,3,4 & 5, and wrote sections for each milestone. Implemented backend functionality for login, register, create post, post/message dashboard, and admin dashboard; setup google captcha/google analytics. Helped organize the team for milestones 0-3, then lead the team for milestones 4-5.

Csc648-02 Team9 Martin Lee Contribution to the team



Martin Lee <martinlee199731@yahoo.com>

Sun 12/16/2018 2:23 PM

To: Gordon G Su; Tina Nguyen; gary9067@gmail.com; alvinrobertlee@gmail.com;

Jake Anthony Carter; Wagner Ayllon ↗



Reply all | ▾

Contributor: Martin Lee

Role: Front end

I worked on Milestone 1, and edited and put together Milestone 2. For Milestone 3 I worked on the non-functional requirements, and for Milestone 4 I helped out with the QA testing. Throughout the project I worked on the dashboards of the website, including the seller, admin and message dashboard. Then I focused on integrating the backend data into the dashboards.

csc648-02 Team9 Tina Nguyen's Contribution to the team.



Tina Nguyen

Fri 12/14/2018 9:51 PM

To: 🟡 Jake Anthony Carter; Gordon G Su; Martin Jeffrey Lee; gary9067@gmail.com; Tina Nguyen; alvinrobertlee@gmail.com; Wagner Ayllon ↗



🔄 Reply all | ▼

Name: Tina Nguyen

Role: Front end team lead

For my part I did the written functional requirements for milestone 2 and 3, I also focused on the CreatePost.html and IndividualPost.html page during milestone 3. Then around midway through the semester after milestone 3 I acted as a sub team lead to make sure that everyone was one track mostly on the front-end side. Me and other team members helped the person who was in charge of the website layout (Header.html) and the homepage.html. We managed to finish most or all the front-end tasks by the end of our milestone 3 revision or before the delivery of milestone 4. For milestone 4 I did the written part for "Search Function Usability test plan". And then I focused on implementing accessing the backend data on my IndividualPost.html page for the last part of this group project.



Gary Deng <gary9067@gmail.com>

Sun 12/16/2018 12:34 PM

To: wagner9@mail.sfsu.edu; alvinrobertlee@gmail.com; ● Tina Nguyen; ● Martin Jeffrey Lee; ● Gordon G Su; 🟢 Jake Anthony Carter ↗



🔄 Reply all | ▼

Contributor: Gary Deng

Backend team. worked on about page, m0, m1 UML diagrams, vertical prototyping, images, search bar, and setting up database.



Wagner Ayllon

Mon 12/17/2018 12:06 AM

To: Tina Nguyen; Jake Anthony Carter; alvinrobertlee@gmail.com; Gordon G Su; Martin Jeffrey Lee; gary9067@gmail.com



Reply all |

Wagner Ayllon

team lead until November 27

I was the team leader until November 27, 2018. I organized team 9 to turn in all Milestones until checkpoint M3. I lead my team to decide to use python to code, my team was undecided for a couple of weeks whether to use JavaScript or python to code. We organized team design to implement project's objective. Organized the team to communicating with team members through slack.com and trello.com, assigned tasks to team members. I wrote the executive summary for M 1 and Jake change the summary. I wrote the code for the message for checkpoint M3, but it was decided not to be turned in. I wrote the revised Data Definitions V2 for M 2. I wrote the self-check: Adherence to original Non-functional specs for M 4. I pushed images to the imageBranch GitHub, because there was a lock on the development branch.

Csc648-02 Team9 Gordon Su Contribution to the team



Gordon G Su

Mon 12/17/2018 12:21 PM

To: Jake Anthony Carter; Martin Jeffrey Lee; Tina Nguyen; gary9067@gmail.com; alvinrobertlee@gmail.com; Wagner Ayllon



Reply all |

Contributor: Gordon Su

Role: Front end

For my part of this project, I was working on the Header style page for all our page. The Hpmpage on our main page, The postsearch page is for result of the search, login and Signup page. I fixed the style for pages.

648-02 Team 9 Alvin Lee's Contribution



AlvinRobertLee <alvinrobertlee@gmail.com>

Mon 12/17/2018 2:18 AM

To: ● Gordon G Su; ● Tina Nguyen; Wagner Ayllon; gary9067@gmail.com; ● Martin Jeffrey Lee; ● Jake Anthony Carter ✉



Reply all | ▾

Name: Alvin Lee

Role: Backend Lead /Github Admin

1. Configured Google Compute Engine Server:

- a. Worked on milestone 0 with Gary in order to get the vertical prototype up and running.
 - I. Configured GCP and then filled out the respective fields of the milestone 0 doc.
 - II. Configured Apache so that it could server our files from GCP.
 - III. Set up an account for Anthony Souza so that he could have access to our server.
- b. Debug server whenever it crashes due to new changes. (This is usually due to the native Sqlite library).
- c. Configured GitHub on the VM for easy updates. Configured the Document root to my home so that you can write without root permissions.

2. Github Admin

- a. Refactored code for team
 - I. Removed unnecessary files. (/images, unused modules, etc)
 - II. Made files more consistent (ex: moved all about pages into an about folder, changed all files to team names, updated all references to them)
 - III. Moved static files into static. (moved all css files in to css folder, all images into image folders, updated all references to them).
 - IIII. Refactored __init__.py so it wasn't huge monster file. Added models and routes files from monster __init__.py
- b. Added branch protection to master and development
- c. added git ignore to ignore unnecessary files.

3. Code Related:

- a. Added messages endpoint so that users can send messages.
- b. Added dynamic titling to web pages.
- c. Added dynamic login/logout links.
- d. Added logout endpoint for Admins
- e. Autoredirect admin/user if they go back to login page after logging in
- f. Edited initial home page load to show most recent approved posts.
- g. Added date field to individualpost.html so that it shows when the post was created. Also instead of displaying nothing when there's no description, display a default message.
- h. Added Price to home page post, aligns to the right of the name of the post.
- i. Fixed Search so that it actually works. Displays a flash message if search yielded no results and then displays all recent approved posts.

Potential Plans for Monday December 17:

- Make front end look better.
- Sort list result by price.
- Multiple pages of search results.

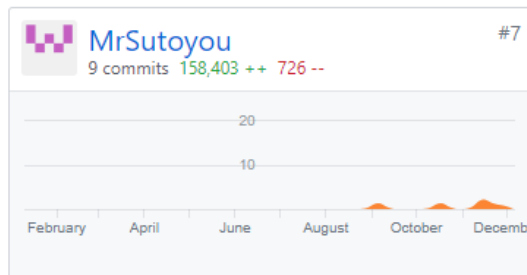
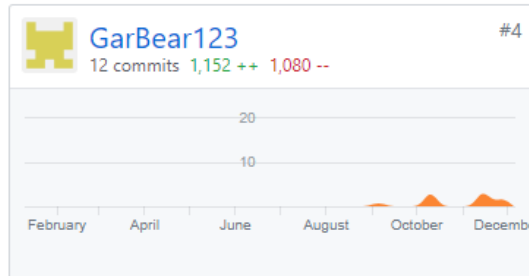
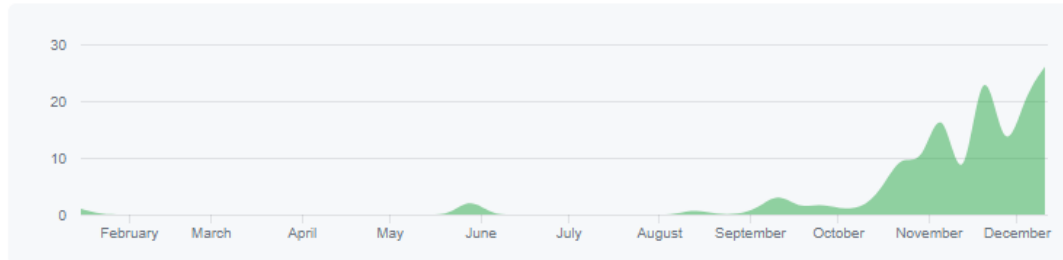
Sincerely,
Alvin Lee

Github Commits

Jan 21, 2018 – Dec 17, 2018

Contributions: Commits ▾

Contributions to master, excluding merge commits



Post Analysis



Jake Anthony Carter

Mon 12/17/2018 4:58 PM

To: gary9067@gmail.com; alvinrobertlee@gmail.com; wagner9@mail.sfsu.edu; Tina Nguyen; Gordon G Su; martinlee199731@yahoo.com ↗



Reply all | ▾

Over the course of this project, our group faced many challenges, and most of them were related to the organization of our group. Because of the size of our group, it was hard to find times that our entire group was capable of meeting outside of class, which made it difficult to find the direction the project needed to take. Towards the end of the project, we remedied this by meeting in smaller groups to work on the project; in retrospect, it would have been better to have the backend/frontend teams meet separately when working on parts of their respective areas at the beginning of the project as well. Additionally, our group's leadership assigned the bare minimum tasks for our project that were required for each week, which caused the majority of the functionality of our project to be implemented in the final weeks before the deadline for our project. Once leadership changed, our group was able to assess and address all of the functionality required to finish our project. Ideally, this would have started at an early stage in the project, but this serves as an important lesson for the future. When it came to coding itself, our group also started with an unorganized coding style. Our group lacked an official coding style when we began coding which caused multiple different coding styles to collide and our code became un-organized quickly. It wasn't until later in the project that we defined an official coding style. In the future, the coding style would be declared and all team members would be familiar with it before we began coding.

Many of the problems our group faced started at the beginning of the project and should have been addressed early; because they weren't, they snowballed out of control and caused a bigger mess that needed to be cleaned up later. In the future, we should enforce stricter requirements on coding style starting at the beginning of the project, and start assigning sections of the project to be worked on sooner rather than later.