

Final Project for SW Engineering Class CSC

648-848 Fall 2020

Software Engineering CSC648/848 Fall 2020

The Gator Store

Team #2

Site Link: <http://35.163.149.5:3000/home.html>

Giovann Fox (Team lead/ Backend Lead) - gfox@mail.sfsu.edu

Ramy Fekry (Github Master)

Beatriz Ribeiro (Frontend Lead)

Jessica Serrano (Frontend Member)

Ikenna Eke (Backend Member)

December 2, 2020

Product Summary

Title of Product: The Gator Store

Priority 1:

→ Unregistered users

- ◆ Unregistered users can browse the home page
- ◆ Unregistered users can register for an account
- ◆ Unregistered users can view the product description
- ◆ Unregistered users can see public posts
- ◆ Unregistered users can search for the product by name, class number, Professor's name, category, title, and/or description (unique to our product)

→ Registered users

- ◆ Can do everything an unregistered user can do
- ◆ Registered users can post items
- ◆ Registered users can login
- ◆ Registered users can sign out
- ◆ Registered users will be able to use their dashboard to edit, see their posts, and see messages
- ◆ Registered users can contact the seller of the product they're interested in

→ Admin

- ◆ Admin is required to approve all posts before they go live
- ◆ Admin is able to delete inappropriate posts
- ◆ Admin has a dashboard to approve and report posts.

URL to Product: <http://35.163.149.5:3000/home.html>

Milestone documents – M1-M4

M1 File:

<https://github.com/CSC-648-SFSU/csc648-03-fa20-team02/blob/master/Milestones/M1/CSC648-848%20Fall%202020%20Milestone1%20Team%202%20Revised.pdf>

M2 File:

[https://github.com/CSC-648-SFSU/csc648-03-fa20-team02/blob/master/Milestones/M2/CSC648-848%20Fall%202020%20Milestone2%20Team%202%20\(1\).pdf](https://github.com/CSC-648-SFSU/csc648-03-fa20-team02/blob/master/Milestones/M2/CSC648-848%20Fall%202020%20Milestone2%20Team%202%20(1).pdf)

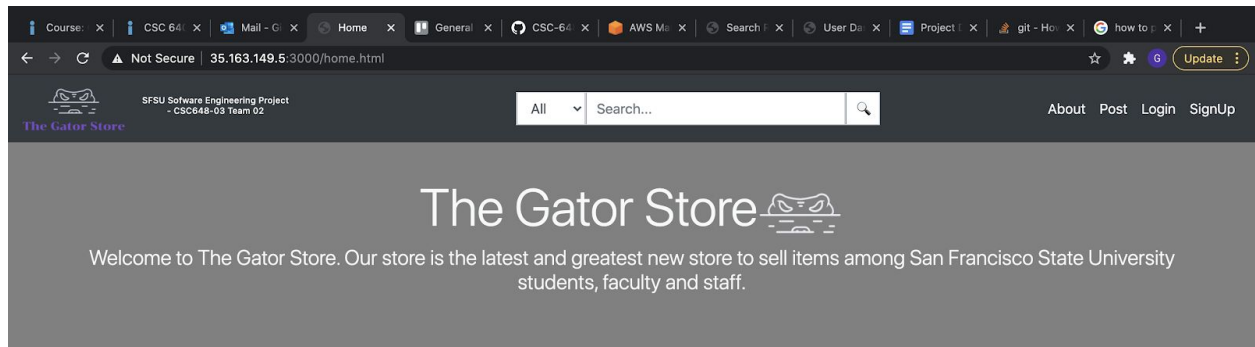
M3 File:

<https://github.com/CSC-648-SFSU/csc648-03-fa20-team02/blob/master/Milestones/M5/CSC648-848%20Fall%202020%20Milestone3%20Team%202.pdf>

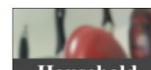
M4 File:

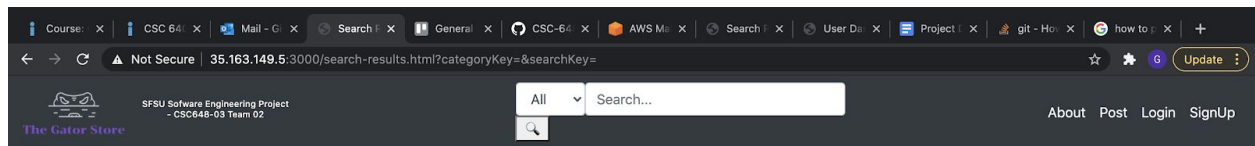
<https://github.com/CSC-648-SFSU/csc648-03-fa20-team02/blob/master/Milestones/M5/CSC648-848%20Fall%202020%20Milestone4%20Team%202%20Revised.pdf>

Product Screen Shots:



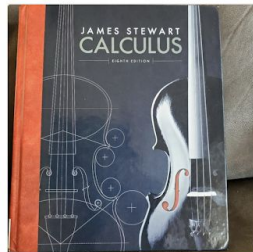
Categories





Search Results for ""

Number of results: 19



calculus book

Instructor: Miller
Course: 300
\$123

[See more details](#)



Calculator

Instructor: null
Course: null
\$50

[See more details](#)



Fur Jacket

Instructor: null
Course: null
\$45

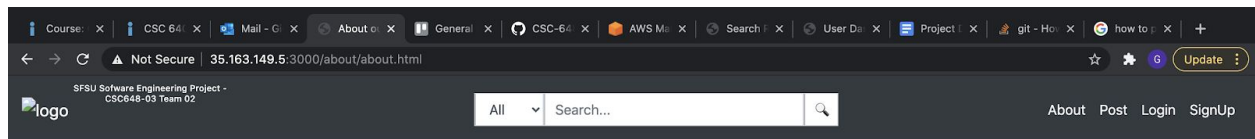
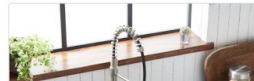
[See more details](#)



Utensils

Instructor: null
Course: null
\$30

[See more details](#)



Software Engineering class SFSU

Fall 2020

Section 03

Team 2

Beatriz Ribeiro

Giovann Fox

Ikenna Eke

Jessica Serrano

Ramy Fekry

Post Item

*All fields required

Item Title:

Category:

Item Price:

Description:

Upload Image: No file chosen

Contact Terms Privacy

Login

Email address

Password

[Forgot password?](#)

Don't have an account yet? [Create one here](#)

Contact Terms Privacy

SignUp

First Name

Last Name

Email (sfsu.edu)

Password

Confirm Password

☐ I accept the [Terms of Use & Privacy Policy](#)

SignUp

Already have an account? [Sign in](#)

Contact Terms Privacy

Welcome back, [user]

#	Item Name	Category	Instructor	Course	Price	Approval Status
1	Test Item 1	Books	instructor name	course name	\$17	Approved
2	Test Item 2	Clothing	null	null	\$35	Denied
3	Test Item 3	Electronics	null	null	\$5	Pending

#	Item Name	From User	Message Body
1	Test Item 1	student7	I would like to purchase this book, can we meet at the library?
2	Test Item 1	student94	can meet at cesar chavez building, lmk if book still available
3	Test Item 1	student18	Hello, saw your message for one of my items, we can do an exchange at the library if that's okay

Database Organization:

AdministrationSchemasQuery 1CategoriesPostsPostsUsersdev.Categoriesdev.Messagesdev.Posts xdev.Users>>Context HelpSnippets

SCHEMASFilter objectsdevTablesCategoriesMessagesPostsUsersViewsStored ProceduresFunctionsproductionsys

Object InfoSessionTable: UsersColumns: id int AI PKemail varchar(45)password varchar(100)firstName varchar(45)lastName varchar(45)

InfoColumnsIndexesTriggersForeign keysPartitionsGrantsDDL

Column	Type	Default Value	Nullable	Character Set	Collation	Privileges	Extra	Co
date	datetime	CURRENT_TIMES...	NO			select,insert,update,references	DEFAULT_GE...	
id	tinyint		NO			select,insert,update,references	auto_increment	
title	varchar(45)		NO	utf8mb4	utf8mb4_090...	select,insert,update,references		
description	longtext		NO	utf8mb4	utf8mb4_090...	select,insert,update,references		
image	varchar(256)		YES	utf8mb4	utf8mb4_090...	select,insert,update,references		
thumbnail	varchar(256)		YES	utf8mb4	utf8mb4_090...	select,insert,update,references		
visits	int	0	YES			select,insert,update,references		
approval_flag	tinyint	0	YES			select,insert,update,references		
instructor	varchar(45)		YES	utf8mb4	utf8mb4_090...	select,insert,update,references		
course	varchar(45)		YES	utf8mb4	utf8mb4_090...	select,insert,update,references		
reported_flag	tinyint	0	NO			select,insert,update,references		
price	varchar(45)		NO	utf8mb4	utf8mb4_090...	select,insert,update,references		
category_id	int		YES			select,insert,update,references		

Count: 13Refresh

Action OutputTimeActionResponseDuration / Fetch Time916:39:17SELECT * FROM dev.Posts LIMIT 0, 100020 row(s) returned0.038 sec / 0.000015...1016:39:24SELECT * FROM dev.Users LIMIT 0, 100017 row(s) returned0.034 sec / 0.000011...

Query Completed

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

[illegible]

Development Connection (dev)

AdministrationSchemasPostsUsersdev.Categoriesdev.Messagesdev.Postsdev.UsersCategoriesMessagesPostsUsers>>

SCHEMAS

Filter objects

dev

- Tables
 - Categories
 - Messages
 - Posts
 - Users
- Views
- Stored Proced...
- Functions
- production
- sys

Object Info

Session

Table: Users

Columns:

- idint AI PK
- emailvarchar(45)
- passwordvarchar(100)
- firstNamevarchar(45)
- lastNamevarchar(45)

InfoColumnsIndexesTriggersForeign keysPartitionsGrantsDDL

Column	Type	Default Value	Nullable	Character Set	Collation	Privileges	Extra	Comments
id	int		NO	utf8mb4	utf8mb4_090...	select,insert,update,references	auto_increment	
email	varchar(45)		NO	utf8mb4	utf8mb4_090...	select,insert,update,references		
password	varchar(100)		NO	utf8mb4	utf8mb4_090...	select,insert,update,references		
firstName	varchar(45)		YES	utf8mb4	utf8mb4_090...	select,insert,update,references		
lastName	varchar(45)		YES	utf8mb4	utf8mb4_090...	select,insert,update,references		

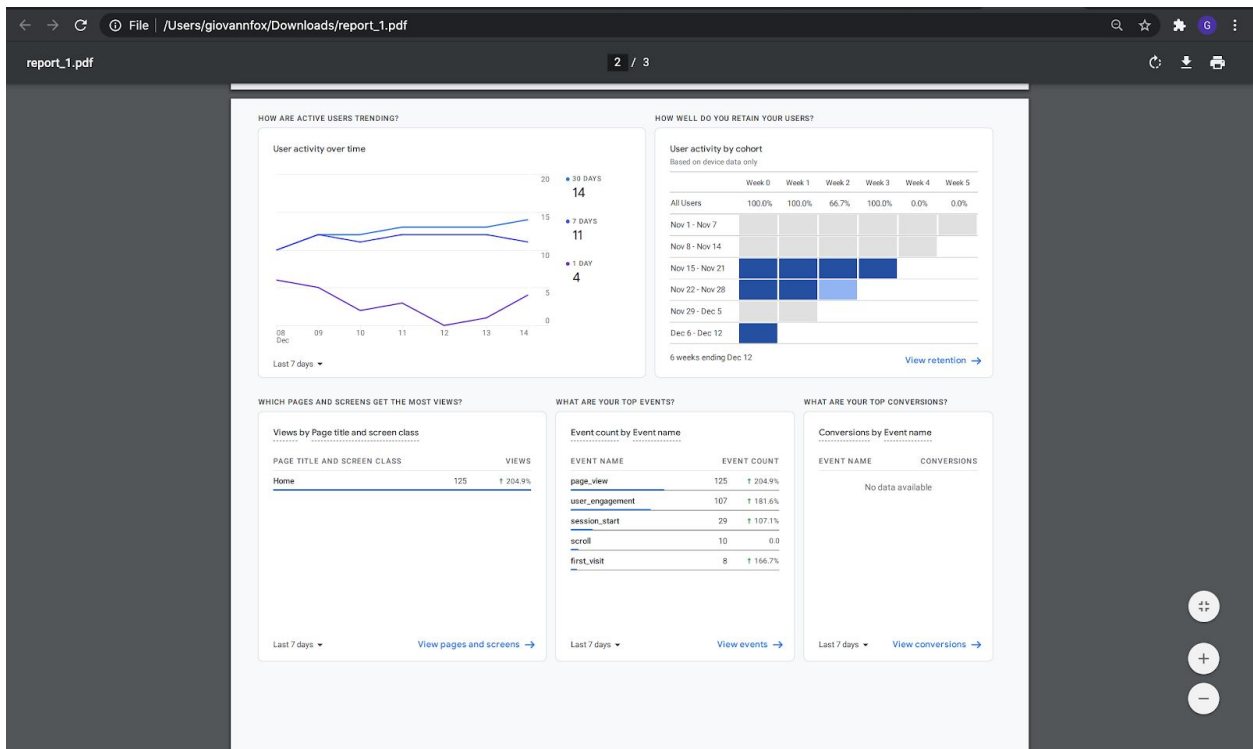
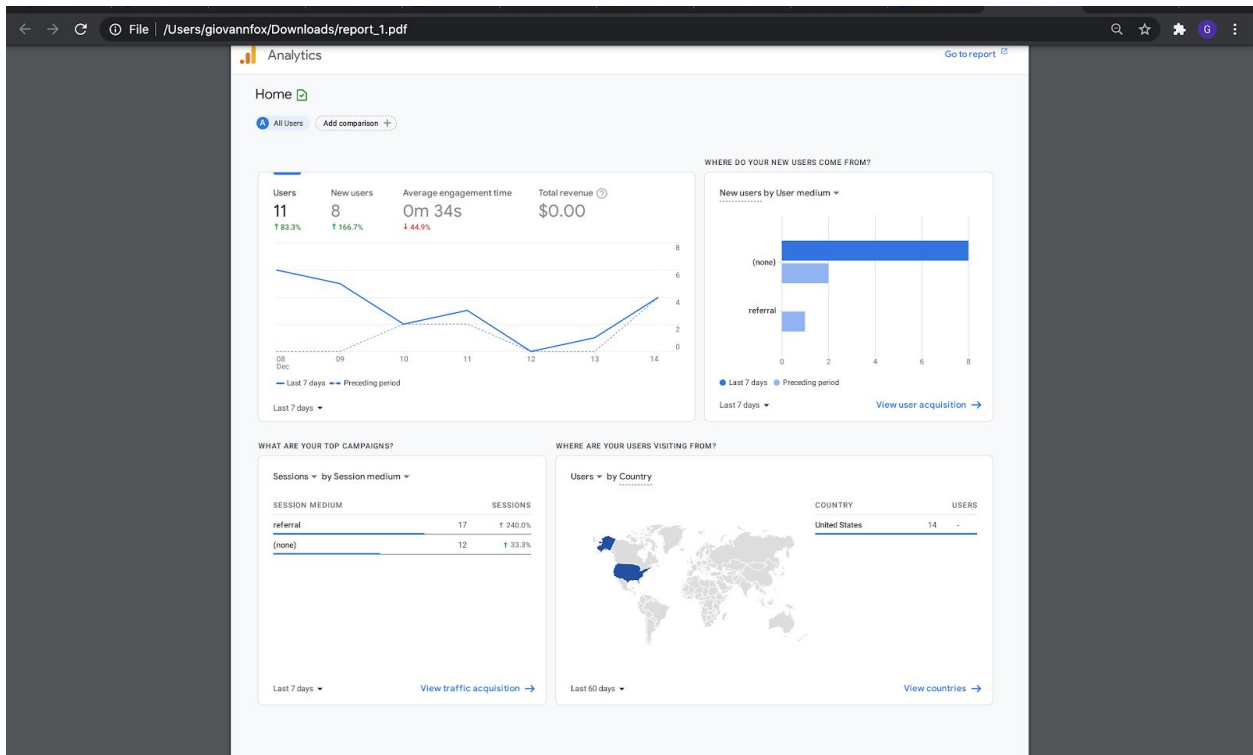
Count: 5Refresh

Action Output

	Time	Action	Response	Duration / Fetch Time
9	16:39:17	SELECT * FROM dev.Posts LIMIT 0, 1000	20 row(s) returned	0.038 sec / 0.000015...
10	16:39:24	SELECT * FROM dev.Users LIMIT 0, 1000	17 row(s) returned	0.034 sec / 0.000011...

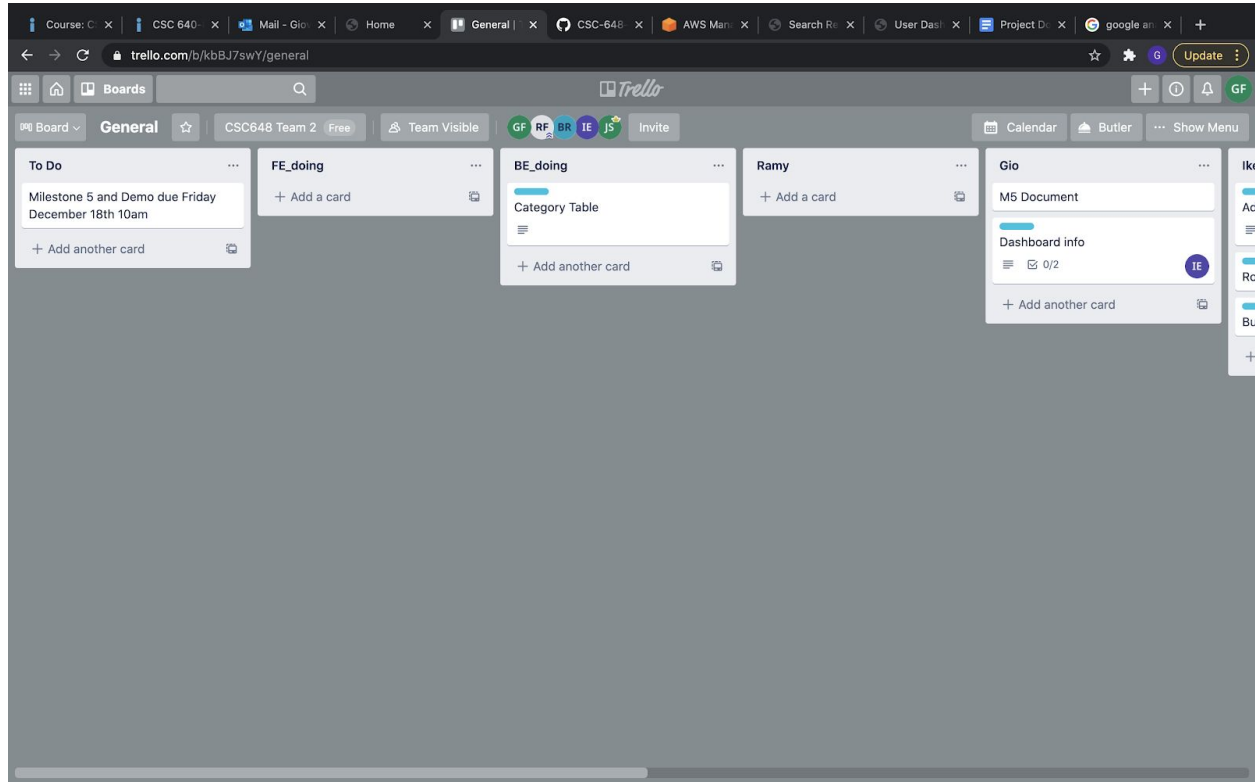
Query Completed

Google analytics plot:



Project management:

Trello:



Course: C x CSC 640 x Mail - Glo x Home x General x CSC-64B x AWS Man x Search R x User Das x Project D x google an x +

trello.com/b/kbBJ7swY/general

Boards

General

CSC648 Team 2 Free Team Visible GF RF BR IE JS Invite

Calendar Butler Show Menu

Ikenna

- Adding the post listing
- Route for messaging.
- Buyer sends to seller message.
- + Add another card

Bea

- Fix about page
- Add results when clicking categories on home page
- + Add another card

Jessica

- Dashboard Page
- Message Menu
- Fix routes to home page from Login, Signup and Dashboard
- + Add another card

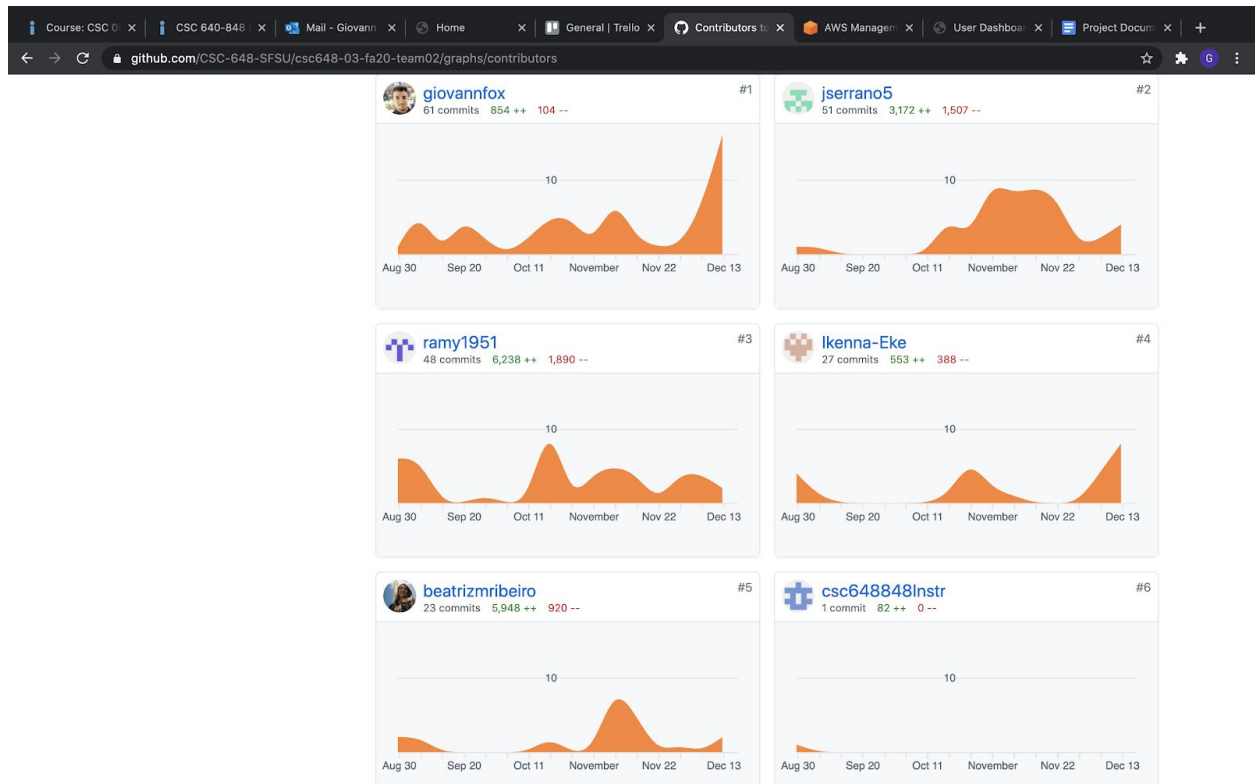
Done

- Revise M4 Document
- All page UI
- logout
- Logout button once logged in
- Hashing user passwords
- register
- Add google analytics
- login
- M4 Document (due Tuesday December 8th)
- UI for post creation
- Create all DB tables
- Summarize review feedback
- + Add another card

+ Add another list

https://trello.com/c/TDkVoAEB/66-ui-for-post-creation

Github commits:



Team member self assessment and contributions

Giovann Fox (Team lead/ Backend Lead):

CSC548-848 Fall 2020 Team 2 Contributions Email



Giovann Pierre Fox

Thu 12/17/2020 2:37 PM

To: Ikenna Eke; Beatriz Monteiro Ribeiro; Jessica Vallejo Serrano; Ramy Fekry



Hello Team,

Here are my contributions as your team lead/backend lead:

- Created AWS server and maintained it
- Created database and managed tables
- Ran team meetings and scrums
- Created and managed S3 bucket
- Added images to S3 bucket and database by using a link to the public images
- Provided leadership and assistance
- Managed and assigned Trello tasks
- Presented final demo of project
- Exported development database to production database
- Communicated team status with checkpoints from CEO
- Added search by professor and course number
- Worked on vertical and horizontal prototype with team
- Main line of communication with CEO
- Deployment of product on AWS server
- Routinely updated main branch to online server
- Provided QA and usability test plan of website
- Created personae and main use cases of product

Number of submissions I made to GitHub team Dev. branch: 48 commits

Some main challenges I encountered during the team project was getting everything fully functional by final delivery. We're still in the process of fixing some bugs on our login system and post function. Another challenge was making sure I was responding to emails in a timely manner. Sometimes over the weekend I would forget to check my emails and I can't do that when I get a real job.

What I would like to do better next time would be to work on the main parts of the project first. I would start early on functions like login and post instead of waiting until the last few weeks to work on them. Another thing I would have liked to do better is to assign tasks earlier. I would wait a few days, to get a better understanding of the milestone before assigning the tasks. Those few days could be crucial

CSC548-848 Fall 2020 Team 2 Contributions Email

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Best,

Giovann Fox

Ramy Fekry (Github Master):

Team work contribution.



I contributed to the technical knowledge to the my best ability and have tried my best to make sure that we stay on track to be able to converge on this project in a timely manner. I have contributed to the code base and helped seed in the initial architecture to be able to build on top of it and make it more maintainable this way.

b) Number of submissions he/she made to github team Dev. branch

49 commits excluding merges based on (git shortlog -s -n --all --no-merges)

c) One brief paragraph on main challenges he/she encountered in team project

Most of my challenges with the team stem from the team not all wanting the same goal and at times it was hard to see what were each person's responsibility. I had a challenge finding the workload balance. I had hard time making efficient conversations to get the point across and to understand the scope of the responsibility. Also the meetings that we had seemed to be missing the point of being scrum meetings, for the most part it was 1-2 people are working on a task and the rest were on standby.

d) One brief paragraph on what would he/she do better next time based on what was learned in the class about SE management and processes

There is a lot of small things that could be done to mitigate such challenges. Mostly it would be making sure that smaller pairs of maybe a frontend with a backend developer put together and left to work on a task. That way more people can be working on other tasks asynchronously. The scrum meetings that we had could be a little more to the point, and that time could be used to agreeing on internal deadlines for each other that way we can make sure we have enough time to test and make sure things work ahead of time. Lastly, making sure that every one has an even load is crucial to making the team more productive, so maybe spending more time evening out the load would have helped the overall team.

I hope the above message gave some more insight to the team dynamic.

Ramy.

Beatriz Ribeiro (Frontend Lead):

CSC648-848 Fall 2020 Team 2 Contributions Email



Beatriz Monteiro Ribeiro

Thu 12/17/2020 10:21 PM

To: Giovanni Pierre Fox; Jessica Vallejo Serrano; Ikenna Eke; Ramy Fekry



Hello Team,

Here are my contributions as a front-end member

- Created and designed the about page
- Created one example of student page, where I pushed to github and then the team downloaded and modified their pages as needed and merge back to be added to the about page.
- Created most of the front-end mockups- desktop and mobile
- Created the home page example to be used on the vertical prototype
- Created most of the UI for our project
- I was responsible to create and design the home page
- I was responsible to create the search bar with the category dropdown
- I was responsible to create and design the post page
- I was responsible to create and design the signup page
- Fixed errors and modifications on the front end
- Implemented Google Analytics

Number of submissions I made to GitHub 21 commits

Some main challenges I encountered during the team project was to have to fix things on the last minute and I wish we had one more person working in the front-end, since me and Jessica had a huge amount of work, specifically Jessica who I need to say that she did an amazing job handling result page, which was a very challenge page to work. I had some health issues for the past few months, so It was hard for me to engage on the meetings.

What I would like to do better next time would be to improve how I communicate. I'm a very shy person, so I need to work on that.

[Reply](#) | [Reply all](#) | [Forward](#)

Jessica Serrano (Frontend Member):

CSC 648/848 Fall 2020 Team 2 Contributions Email



Jessica Vallejo Serrano

Fri 12/18/2020 7:33 AM

To: Giovanni Pierre Fox; Ikenna Eke; Beatriz Monteiro Ribeiro; Ramy Fekry



Hello team,

The following are my contributions as a front-end team member:

- Created and designed the search results page
 - Both vertical prototype and horizontal prototype
 - Implemented routes to and from database
- Created and designed item details page
- Implemented item details page routes to and from database
- Created and designed user dashboard page
- Implemented user dashboard page routes to and from database
 - Messaging routes and post routes
- Created and designed login page
- Implemented login page routes to and from database
- Implemented sign up page routes to and from database

Number of submissions made to Github team development branch: 47 commits

One of the main challenges I faced was being able to balance my workload. At times it felt like I had a lot of tasks to complete and the task delegations felt unbalanced. Along with the work I had outside of this class, it was difficult to personally complete my tasks in a timely manner, which may have delayed the team's progress. Also, there were some times I wanted to reach out for help, but relatively felt closed off from trying to ask my teammates questions while working on this project.

One thing I can work on for the future is learning to balance my workload better in order to get things done in a timely manner, and so that the team is not held back by lack of progress. Also, I would like to work on being able reach out when I need help instead of trying to figure out everything on my own and not communicating.


Sincerely,

Jessica Serrano

[Reply](#) | [Reply all](#) | [Forward](#)






Ikenna Eke (Backend Member):

Team work contribution.

 **Ikenna Eke**

Thu 12/17/2020 10:12 PM

To: Ramy Fekry; Giovanni Pierre Fox; Beatriz Monteiro Ribeiro; Jessica Vallejo Serrano

Hello Team,

Here are my contributions as a member of the backend,

- Added the search by category to search function.
- Created all routes and functions need create a new post
- created all the routes and functions needed to send Messages to another user
- Connected our AWS server to the backend so that we can upload images from our website.
- Team Scribe
- Created Messages and Categories Databases

Number of Submission I made GitHub Team Dev. Branch: commits: 27

Some of the main challenges I encountered during the team project was time management toward the later stages of the project. Work outside of this project started ramping near the end of the semester so it was difficult to find time to work on the task that assigned to me. One thing I would have done better would have been to manage my time better at the end so that it towards the end I wouldn't be having a lot work that needs to be done at the end.

Sincerely,
Ikenna Eke

...

[Reply](#) | [Reply all](#) | [Forward](#)