

**San Francisco State University**  
**Computer Science Department**  
**SW Engineering CSC648/848 Fall 2021 Section 02**  
**Group 4**  
**Milestone 5**  
**12/07/2021**

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**GatorRoomer**

<b><u>Version</u></b>	<b><u>Date submitted</u></b>	<b><u>Action</u></b>
1.0	12/07/2021	Submitted

## **1. Product Summary**

Our product is called GatorRoomer. It is an elegant solution to finding rooms to rent and roommates.

Our motivation for creating GatorRoomer is to make it easy and intuitive for students and professionals alike to find the perfect roommate or living space. This is an app for students and professionals, made by students.

Finding a room can be a stressful time—whether you are a freshman student going off to college, or a professional who has just been relocated to a different city, you are stepping into the unknown. We hope to mitigate that unknown with GatorRoomer as much as possible and make finding a roommate or place to stay quick and easy. To achieve our goal of an easy and intuitive experience, we shall implement an array of different filters and tags to make finding the perfect roommate easier. Through our search filtering system, we hope to filter out roommates and places to live based on search with ease, which makes decision making better and faster. Our superior messaging system will give the user the option to ask a line of questions with the potential roommate, renter, or landlord. Our maps feature displays where the listing is located. Our bookmarking system provides a quick way for users to access bookmarked rooms and roommates. These are just a few services GatorRoomer will offer to make finding a roommate the easiest it has ever been.

Our team is composed of a diverse array of university students across many different college years, with different backgrounds and experience. We want to channel our unique skill sets to work together and produce a useful and intuitive app . We are hungry to compete with the big players in the roommate finding industry. As university students, we know what is important when it comes to finding a roommate. Thus, we want to make the process simple and easy—because we know students and professionals have more important things to worry about.

Some of GatorRoomer's distinguishable features of quality include:

- 1) Users shall be able to filter through room listings using price, location, tags, and if the search parameters do not produce any results, then a message is displayed to the user indicating nothing was found.
- 2) Users shall be able to use bookmark/ “like” room listings.
- 3) Users shall be able to have separate sessions for each user.
- 4) User shall have new post notifications

5) User shall be able to ask questions to landlord or roommate (webmail) -

6) User shall able to upload a picture(s) of the room

Our application is unique as it features the ability to bookmark rooms, notifications, and our own messaging system which is quick and easy to use. The UI is neat and clean—organized in a grid-like fashion—the search API is consolidated so users go to one location on the screen to search. Searching by room and roommate can be toggled by a button. Users do not have to login to view rooms.

As for the admin, it is simple to delete users at the push of a button

## 2. Milestone Documents

### M1 feedback:

#### CEO/CTO Feedback

Good starting point and understanding of the personas and use cases for this application that will provide confidence to our client. We didn't see the image of your architecture, but that's okay, please add it as soon as it is ready. Overall good job putting together this initial documentation.

#### Instructor Feedback

Overall Objective of Milestone 1 [Need improvement, On-track, Above Expectations]: **On track with missing architecture**

ID	Item	Criteria	Feedback
01	Expected size of this document	About 7-10 pages	Good (17).
02	Title Page	Format and Structure <ul style="list-style-type: none"><li>• SW Engineering CSC648/848 Fall 2021”</li><li>• Section Number</li><li>• Team number</li><li>• Names of students and roles</li><li>• M1</li><li>• History table (revision)</li></ul>	Ok. <b>Missing roles</b>
03	Executive Summary	~1 page. Why we should fund this project?	Good. It is a good starting point about the challenge that this app is addressing. It would be great if you can add some business and data points about this market to make it more attractive and meaningful for investors.

04	Personas and main Use Cases	About 1/3 of a page per persona 4-5 <u>main use cases</u> . Descriptive title and number to each use case	Great. Pretty good understanding of your personas and use cases.  Personas: Students by Gender, Transfer students, Students with disabilities, Tenured Professors and Lecturers, Landlords,  <ul style="list-style-type: none"> <li>• <b>Gender Preferences</b></li> <li>• <b>Search Filtering</b></li> <li>• <b>Gender Restriction</b></li> <li>• <b>Color-coded Map Pins</b></li> <li>• And more...</li> </ul>
05	List of main data items and entities	Name, meaning, usage, etc.	Good. <b>You would need to add data type for each item</b> (string, integer, etc.)
06	Initial list of functional requirements	High level functions you plan to develop	Great. 29 requirements. Well thought list. The format (alignment, capitals) need to be fixed.
07	List of non-functional requirements	Performance, expected load, security requirements, storage, availability, fault tolerance	Good. (14) As presented in the project documentation. That's good.
08	Competitive analysis	3-4 competitive products	Good. References should be provided for this data analysis.
09	High-level system architecture and technologies used	Itemized list of all main SW components	The <b>HL architecture</b> is missing. <b>It was expected the initial graphic representation of your MVC architecture.</b>
10	Team and roles	List student names	Good. This roles also need to be added to the title/front page.
11	Checklist	Answers to the items	Good

**Next Steps:** Understand the feedback, talk to your team and decide what needs to be added to M1 and then freeze the document and move on to work on M2.

~Prof. Villar

## M2 feedback:

### CEO/CTO Feedback

Really good work so far GatorRoomer, the documentation and the vertical prototype has been one of the best we reviewed in this phase. Keep focusing on the main functional requirements to continue building your final product and to be on time for the release.

### Instructor Feedback

Overall Objective of Milestone 2 [Need improvement, On track, Above Expectations]: **On Track.**

### Specific Feedback:

ID	Item	Criteria	Feedback
00	Expected size of this document	About 20-25 pages	20 pages
01	Functional Requirements - prioritized	Expand or repeat functional requirements from Milestone 1 into Milestone 2 w/ reference numbers (1-must have; 2 – desired; 3 – opportunistic)	<b>Good.</b> 7 prioritized functional requirements with specific use cases. Good thing you are tracking what is getting out of the scope of the first release.
02	UI Mockups and Storyboards (high level only)	All major use cases from M1. Format is very flexible, recommend hand drawings	<b>On Track.</b> Good. Great job adding the “ <i>Students with disabilities</i> ” use case and storyboard.
03	High level Architecture, Database Organization	Make sure the titles and var. names are in easy to understand plain English and consistent with data definitions. <i>Media storage, APIs (if any), algorithm and SW tools</i>	<b>On Track.</b> Good. Great job documenting the API implementation.
04	High Level UML Diagrams	<i>HL Class diagrams, and Component and deployment</i>	<b>On Track.</b> Good.
05	Key risks for your project at this time	Skills, schedule, technical, teamwork, legal/content	<b>On Track.</b> Ok. I didn't see any schedule, technical, teamwork nor legal/content risk.
06	Project management	No more than half a page how you managed and plan to M2 and <u>future</u> tasks. <u>Must</u> start using Trello or similar tools for task management	<b>On Track.</b> Good.

07	<b>Vertical Prototype (VP)</b>	Working prototype in production Search capabilities [1] Text field and [2] filter/category use cases	<b>Really good.</b> Working prototype focused on the two use cases: text and filter/categories capabilities
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**Next Steps:** Review this feedback with your team, incorporate those critical items to your document and freeze it. Continue or start with your M3 implementation. Keep it up!

~Prof. Villar

### M3 Feedback:

Item	Credentials
Website URL	FILL IN
Website URL to search page	FILL IN
SSH URL	FILL IN
SSH Username	ubuntu
SSH Password/Key	<a href="https://github.com/CSC-648-SFSU/CSC648-fall21-02-team04/blob/master/credentials/group_4.pem">https://github.com/CSC-648-SFSU/CSC648-fall21-02-team04 /blob/master/credentials/group_4.pem</a>
Database URL	group4-db.czpwr5igmvey.us-west-1.rds.amazonaws.com
Database Username	admin
Database Password	admin1234

### What works as of M3:

- Showing search rooms and roommate
- Search for rooms has filter to fit user preferences
- Register and Login
- Registered Users are able to use Add Room function
- Add Room allow user to list room for rent and filter out the room

### Work in progress as of M3:

- map API
- messaging

## M4 Feedback:

### CEO/CTO M4 Feedback

**GatorRoomer**, your milestone 4 document would benefit with a stronger summary and more details a better format in the display of your testing. The release of your product and final documentation are coming fast, which would need from all of you focus and time management to achieve completion and quality.

### Instructor M4 Feedback

Overall Objective of Milestone 4 [Need improvement, On track, Above Expectations]: **On-track** with some improvement needed.

### Specific M4 Feedback:

ID	Item	Criteria	Feedback
01	Objectives Achieved?	<ol style="list-style-type: none"><li>1. To make final commitment for functions to be delivered</li><li>2. To check that all required non-functional specs are satisfied or on track</li><li>3. To practice formal usability test plan development</li><li>4. To practice formal QA</li><li>5. To practice code review</li><li>6. Ensure basic practices of secure SE are applied</li><li>7. Ensure effective teamwork</li><li>8. Ensure software development is effective</li></ol>	<b>Objectives seems to have been achieved.</b>

02	Document delivered (PDF)	<ol style="list-style-type: none"> <li>1. Product summary (~1/2 p)</li> <li>2. Usability test plan (~2 p)</li> <li>3. QA test plan (~2 p)</li> <li>4. Code Review (~2 p)</li> <li>5. Self-check on best practices for security (~1/2 p)</li> <li>6. Self-check: Adherence to original Non-functional specs</li> </ol> <p>~7 pages</p>	<p><b>On Track.</b></p> <ul style="list-style-type: none"> <li>● The <b>Summary</b> can be better by describing details for the functionality, and adding executive summary from M1 as it was suggested. 6 P1s were identified.</li> <li>● <b>UT: posting of rooms.</b> It is always good to have a numbered list of tasks, step by step to make it clear for the tester. <b>Likert Test</b> is always better to represent with a table.</li> <li>● <b>QA testing</b> you don't need to copy and paste the instructions of M4 [Test objectives: - what is being tested OR QA Test plan: - table format: 3 test cases and results of testing them on your system: appr. 1 page]. The QA Table is good.</li> <li>● <b>Code review</b> is okay.</li> <li>● Okay <b>security</b> best practices. Focus: DB, password, SSN? Email, message.</li> <li>● Non-functional Specifications: 8 are marked as done, 6 On-Track. <b>Those</b></li> </ul>
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			On-Track status should add a comment about when they will be done or plans.
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**Next Steps for M4:** Make sure to improve this document according with the feedback and then freeze it. Then focus on M5, finalizing all the pending functionalities and integration for your final product release.

### 3. Screenshots of Final Product

SFSU Software Engineering Project CSC 648-848, Fall 2021. For Demonstration Only

GatorRoomer Home Find Roommates About Register Log in

Search for a Location or Zip Code

Enter the name of a Location or a Zip Code.

Type Bedrooms Bathrooms Smoking Pets Parking College Disability Negotiation Restroom Privacy

Submit



**Somewhere Apartment**  
Zipcode: 92300  
**Rent: \$1200**  
3Bed / 1Bath  
Has not rats





**1234 something st.**  
Zipcode: 92100  
**Rent: \$2200**  
3Bed / 2Bath  
Pretty cool





**Definitely not fake Ave.**  
Zipcode: 92400  
**Rent: \$1300**  
3Bed / 2Bath  
Somewhat safe neighborhood.





1 of 1



Apartment Message Lister

**Plymouth Ave - 94122**  
1Bed / 1Bath (400 sq. ft.)  
Rent - \$1900



SFSU Software Engineering Project CSC 648-848, Fall 2021. For Demonstration Only

**GatorRoomer** Home Find Roommates About Register Log in

### Find Roommate

Type Gender

Submit

**John Doe**  
Gender: Female  
**Type: Student**  
SF State - Math Senior  
User Score - 80

**John Doe**  
Gender: Female  
**Type: Student**  
SF State - Biology Senior  
User Score - 70

**Ryan Eng**  
Gender: male  
**Type: Student**  
SF State - CS Senior  
User Score - 50

**Bob Sob**  
Gender: male  
**Type: Student**  
SF State - Math Senior  
User Score - 50

**sd saD**  
Gender: male  
**Type: Student**  
SF State - CS Senior  
User Score - 50

**dsfa fsda**  
Gender: male  
**Type: Student**  
SF State - CS Senior  
User Score - 50

**zhiling huang**  
Gender: female  
**Type: Student**

**Sanket Naik**  
Gender: male  
**Type: Student**

**Sanket Naik**  
Gender: male  
**Type: Student**

SFSU Software Engineering Project CSC 648-848, Fall 2021. For Demonstration Only

**GatorRoomer** Home Find Roommates Bookmarks Preferences Logout

## Roommate Preferences

Type

Gender

School

Grad Level

Major

## Roommate Bookmarks

Here's a list of all your roommate bookmarks.

### Ryan Eng

Gender: male  
**Type: Student**  
SF State - CS Senior  
User Score - 50

### John Doe

Gender: Female  
**Type: Student**  
SF State - Biology Senior  
User Score - 70



## Sign up

Fill out the form below to create an account.

Username	<input type="text" value="Enter your username"/>
Email	<input type="text" value="Enter your e-mail"/>
Password	<input type="text" value="Enter your password"/>
Confirm Password	<input type="text" value="Re-enter your password"/>
Age	<input type="text" value="0"/>
Account Type	<input type="button" value="Select a type ▾"/>
First Name	<input type="text" value="First Name"/> <input type="text" value="Middle Name"/> <input type="text" value="Last Name"/>
Gender	<input type="button" value="Select a gender ▾"/>
SSN	<input type="text" value="Enter your SSN"/>

I agree to the Terms and Conditions.

## Login

Fill out the form below to login to the application.

Login ID	<input type="text" value="Enter your Login ID"/>
Password	<input type="password" value="Enter your Password"/>
<input type="button" value="Login"/>	



SOmewhere Apartment

Zipcode: 92300

Rent: \$1200

3Bed / 1Bath

Has not rats

Delete



1234 something st.

Zipcode: 92100

Rent: \$2200

3Bed / 2Bath

Pretty cool

Delete



DEfinitely not fake Ave.

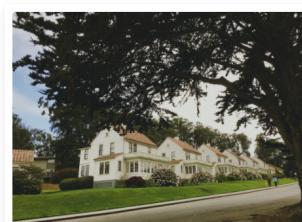
Zipcode: 92400

Rent: \$1300

3Bed / 2Bath

Somewhat safe neighborhood.

Delete



<b>John Doe</b> Gender: Female <b>Type: Student</b> SF State - Math Senior User Score - 80  <a href="#">Delete</a>	<b>John Doe</b> Gender: Female <b>Type: Student</b> SF State - Biology Senior User Score - 70  <a href="#">Delete</a>	<b>Ryan Eng</b> Gender: male <b>Type: Student</b> SF State - CS Senior User Score - 50  <a href="#">Delete</a>
<b>Bob Sob</b> Gender: male <b>Type: Student</b> SF State - Math Senior User Score - 50  <a href="#">Delete</a>	<b>sd saD</b> Gender: male <b>Type: Student</b> SF State - CS Senior User Score - 50  <a href="#">Delete</a>	<b>dsfa fsda</b> Gender: male <b>Type: Student</b> SF State - CS Senior User Score - 50  <a href="#">Delete</a>
<b>zhiling huang</b> Gender: female <b>Type: Student</b> SF State - Math Senior User Score - 50  <a href="#">Delete</a>	<b>Sanket Naik</b> Gender: male <b>Type: Student</b> SF State - CS Graduate User Score - 50  <a href="#">Delete</a>	<b>Sanket Naik</b> Gender: male <b>Type: Student</b> SF State - CS Graduate User Score - 50  <a href="#">Delete</a>

## Sanket Naik

Hello,  
This house is available.

Hello!

I would like to enquire about this house.  
I would like to enquire about this house.

Type your message

Send

## Messages

Here are all the people that you have messaged before.

swethac

Sanket Naik

## Add Room

Fill out the form below to add a new room listing.

<b>Location</b>	<input type="text" value="Enter the Location of the room."/>
<b>ZipCode</b>	<input type="text" value="Enter the ZipCode of the room."/>
<b>Type</b>	<input type="text" value="Apartment"/>
<b>Description</b>	<input type="text" value="Enter the Description of the room."/>
<b>Price (\$)</b>	<input type="text" value="0"/>
<b>Size (sq. ft.)</b>	<input type="text" value="0"/>
<b>Bedrooms</b>	<input type="text" value="0"/>
<b>Bathrooms</b>	<input type="text" value="0"/>
<b>Smoking</b>	<input type="radio"/> Smoking Friendly <input type="radio"/> No Smoking
<b>Pets</b>	<input type="radio"/> Pet Friendly <input type="radio"/> No Pets Allowed
<b>Parking</b>	<input type="radio"/> Parking Available <input type="radio"/> No Parking Available
<b>College</b>	<input type="radio"/> Not College Oriented <input type="radio"/> College Oriented
<b>Disability</b>	<input type="radio"/> Disability Friendly <input type="radio"/> Not Disability Friendly
<b>Negotiation</b>	<input type="radio"/> Rent Not Negotiable <input type="radio"/> Rent Negotiable
<b>Restroom</b>	<input type="radio"/> Private Restroom <input type="radio"/> No Private Restroom
<b>Pictures</b>	<input type="file" value="Choose a file..."/>

## Alerts

Here are all your latest alerts.

### Rooms



#### Holloway Ave

Zipcode: 94132

Rent: \$3200

3Bed / 2Bath

A large spacious apartment that is good for students.



#### Block Ave

Zipcode: 94132

Rent: \$1900

1Bed / 1Bath

A small studio apartment that is good for a college student.



#### Dagget Ave

Zipcode: 94132

Rent: \$4410

3Bed / 3Bath

Clean apartment..



## Team 04



#### Georgina Shirazi

Leader & Github Master



#### Swetha C

Backend Developer



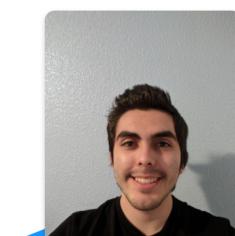
#### Zhiling Huang

Backend Developer



#### William Zhong

Frontend Developer



## 4. Screenshots of Database

 Table Name: RoomListing | Charset/Collation: utf8 utf8\_bin | Comments:

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Column Name	Datatype	PK	NN	UQ	B	UN	ZF	AI	G	Default/Expression
Room_ID	INT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Lister	INT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Location	VARCHAR(45)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
ZipCode	INT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Type	VARCHAR(45)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Description	VARCHAR(150)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Price	DECIMAL(10,2)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL
ListTime	DATE	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Size	DECIMAL(10,2)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NumBathrooms	INT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NumBedrooms	INT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Tags	VARCHAR(150)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL
Available	INT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL

 Table Name: Base\_User | Charset/Collation: utf8 utf8\_bin | Comments:

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Column Name	Datatype	PK	NN	UQ	B	UN	ZF	AI	G	Default/Expression
UserID	INT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Email	VARCHAR(50)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Password	VARCHAR(200)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Name	VARCHAR(50)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Age	VARCHAR(45)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SocialSecurity	INT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
UserScore	INT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Gender	VARCHAR(45)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Type	VARCHAR(15)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL
Hidden	INT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL
LoginId	VARCHAR(45)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL
Admin	INT(1)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	'0'

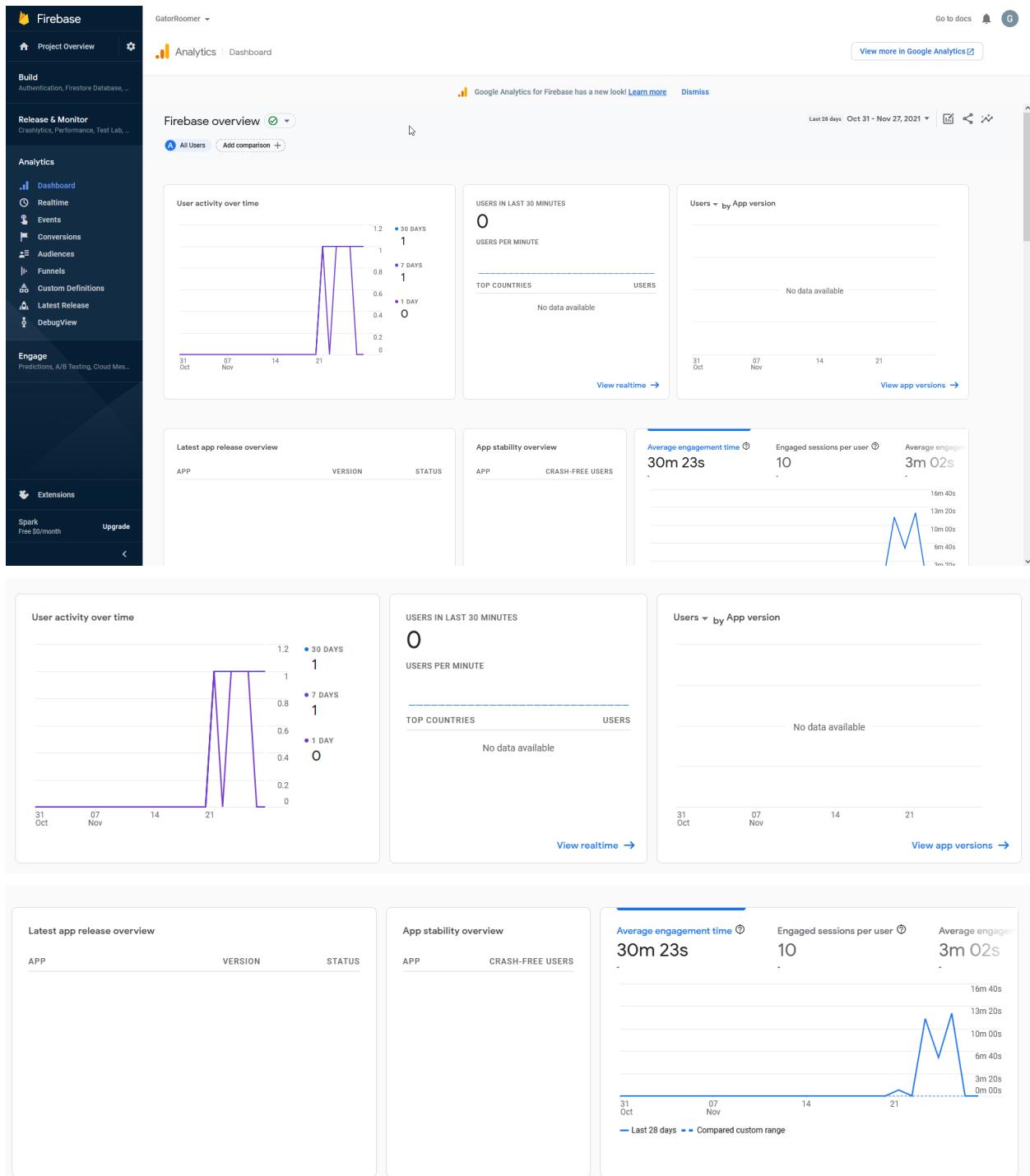


Table Name:

Charset/Collation: utf8 ▾ utf8\_bin ▾

### Comments:

## 5. Google Analytics



### User retention

Last 42 days ending Nov 27

### User activity by cohort

Based on device data only

	Week 0	Week 1	Week 2	Week 3	Week 4	Week 5
All Users	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Oct 17 - Oct 23	100.0%	-	-	-	-	-
Oct 24 - Oct 30	-	-	-	-	-	-
Oct 31 - Nov 6	-	-	-	-	-	-
Nov 7 - Nov 13	-	-	-	-	-	-
Nov 14 - Nov 20	-	-	-	-	-	-
Nov 21 - Nov 27	-	-	-	-	-	-

6 weeks ending Nov 27

[View retention →](#)

### Views by Page title and screen class

PAGE TITLE AND SCREEN...	VIEWS
React App	88 -

[View pages and screens →](#)

### Event count by Event name

EVENT NAME	EVENT COUNT
page_view	88 -
user_engagement	78 -
search	70 -
login	24 -
session_start	10 -
first_visit	1 -
sign_up	1 -

[View events →](#)

### Conversions by Event name

EVENT NAME	CONVERSIONS
No data available	

[View conversions →](#)

### Total revenue

\$0.00

### Ecommerce revenue

\$0.00

### Total ad revenue

\$0.00

31 Oct 07 Nov 14 21

### Average purchase revenue per user

\$0.00

31 Oct 07 Nov 14 21

[View publisher ads →](#)

### Publisher ad impressions

by Ad unit

AD UNIT	PUBLISHER AD IMPRESSIONS
No data available	

### Users by Country

[View countries →](#)

### Users by Device model

DEVICE MODEL	USERS
No data available	

[View device models →](#)

## 6. Screenshot of Task Management System

The image displays two screenshots of a task management system, likely Trello or a similar kanban-style tool, integrated into a GitHub repository.

**Milestone 5 (Top Screenshot):**

- To do:**
  - part 3 - get feedback from M4, add to M3 ... (Added by PinkStruct)
- In progress:**
  - bookmarking for roommates (front end) ... (Added by PinkStruct)
  - roommate preferences (frontend) ... (Added by PinkStruct)
  - notifications (implement at front end) ... (Added by PinkStruct)
  - messaging system (front end) ... (Added by PinkStruct)
- Done:**
  - add feedback from M1 and M2 to part 3 ... (Added by PinkStruct)
  - add feedback from M3 (transcribed video) add to M3 ... (Added by PinkStruct)
  - messaging system P1 ... (Added by PinkStruct)
  - google analytics ... (Added by PinkStruct)
- later-to-do:**
  - part 9 - post analysis ... (Added by PinkStruct)
  - part 8 - Github contributions ... (Added by PinkStruct)
  - part 7 - screenshot of task system (we can wait to the end for this!) Also incorporate discord messages prior to using GitHub Projects ... (Added by PinkStruct)
  - part 6 - google analytics ... (Added by PinkStruct)
  - part 5 - screenshots of key DB tables ... (Added by PinkStruct)
  - part 4 - add screenshots of final products ... (Added by PinkStruct)
- questions:**
  - elaborate on uniqueness for product summary ... (Added by PinkStruct)
  - For the product summary, we are supposed to combine the executive summary and the product summary - the P1s. We edited our existing executive summary from M1 to match our P1s and explained the functionality of them. Is this what you are looking for? ... (Added by PinkStruct)
  - Can we take an existing terms of service ... from an existing, real competitor website and change a few things and use this as our ToS? ... (Added by PinkStruct)

**Milestone 4 (Bottom Screenshot):**

- To do:**
  - M4 document ...
- Done:**
  - Code review: Zhiling - Georgina ... (Added by PinkStruct)
  - Code review: Swetha - Gabriel ... (Added by PinkStruct)
  - Code review: Saneket - Ryan ... (Added by PinkStruct)
  - code review ... (Added by PinkStruct)
  - product summary ... (Added by PinkStruct)
  - work on usability test plan ... (Added by PinkStruct)
  - QA test plan ... (Added by PinkStruct)
  - self check on best practices for security ... (Added by PinkStruct)
  - user registration ... (Added by PinkStruct)
- Frontend TODO:**
  - user or admin dashboard ... (Added by PinkStruct)
  - google analytics ... (Added by PinkStruct)
  - Post notifications - drop down for notification ... (Added by PinkStruct)
  - create page for preferences for room mate ... (Added by PinkStruct)
  - maps api ... (Added by PinkStruct)
  - create message icon for webmail (put this on the post) ... (Added by PinkStruct)
- Backend TODO:**
  - encrypt the password ... (Added by PinkStruct)
  - test against SQL injection in queries ... (Added by PinkStruct)
  - backend can work on API for webmail ... (Added by PinkStruct)
  - use search API for notification ... (Added by PinkStruct)

This screenshot shows a GitHub Projects board for the repository CSC648-SFSU/CSC648-fall21-02-team04. The board is titled 'Milestone 3' and was updated 28 days ago. It contains four columns: 'To do', 'In progress', 'Answered questions', and 'Info'. The 'To do' column has three items: 'search is done; sessions almost done for Backend (10/17)' (added by PnkShtuct), 'bookmarking' (added by PnkShtuct), and 'Merge Svetlana's and Zhiling's code-later' (added by PnkShtuct). The 'In progress' column has one item: 'find a way to connect s3 (data to URLs) to backend, so backend can store URLs in database -> Georgia' (added by PnkShtuct). The 'Answered questions' column has one item: 'NOR FOR M3 for the future, see questions for more details about this.' (added by PnkShtuct). The 'Info' column contains several cards with general information about GitHub Projects, such as 'Welcome to GitHub Projects', 'start working on sessions', 'Backend sends data to frontend', 'Data upload', and 'Cards'. A note at the bottom left of the board states: 'Frontend - search interface implemented. #1 opened by senkerein09 in CSC648-SFSU/CSC648-fall21-02-team04'.

This screenshot shows the same GitHub Projects board for the repository CSC648-SFSU/CSC648-fall21-02-team04, but with a different layout. The columns are 'answered questions', 'info', 'Backend', 'Frontend', and 'Database'. The 'answered questions' column contains the same 'NOR FOR M3 for the future...' card. The 'info' column contains the same general information cards. The 'Backend' column contains cards for 'start working on sessions', 'Performance (display of result list)', 'Cards', and 'Automation'. The 'Frontend' column contains cards for 'Search field input validation', 'UI responsiveness', 'Home page', and 'Data upload'. The 'Database' column contains a single card: 'If Backend or Frontend require DB changes, change DBs'. The note at the bottom left of the board is identical to the previous screenshot.

Hey, you have something waiting for you in your gift inventory! Don't forget to claim it before it's lost. [Take me there](#)

# to-do

## Welcome to #to-do!

This is the start of the #to-do channel.

[Edit Channel](#)

August 31, 2021

Georgina 08/31/2021 domain name (can be set up later)

September 12, 2021

Georgina 09/12/2021 M1

9/12/2021 finished parts  
9, 8, 7, 5, 4

-go over part 4 with Prof Villar on Tuesday

Need to finish parts  
6, 3, 2, 1

September 17, 2021

Georgina 09/17/21 completed:  
parts 3, 6  
most of part 1 + 2

[Message #to-do](#)

Try slash commands! A new way to use bots by typing slash. [Dismiss](#)

The screenshot shows a Slack interface with a dark theme. On the left is a sidebar with various channels and users. The main area is the '#to-do' channel. It contains several messages from user 'Georgina' discussing domain names, parts, and Prof Villar. There is also a message from user 'Zhiling' indicating they are sharing their screen. The interface includes standard Slack features like file attachments and a message input field.

Hey, you have something waiting for you in your gift inventory! Don't forget to claim it before it's lost. [Take me there](#)

# to-do

go over all pieces to make sure they are right length and content is good put together into one PDF

September 19, 2021

Georgina 09/19/2021 divided by topic (not pages), omitted some of the topics not marked as important slides

Overview  
management stuff  
Architecture Design

4+1 view model (starts on 22 but is a topic someone can cover)  
architectural design patterns  
pipe and filter architecture

private cloud reference architecture  
multimedia information systems  
Multi media programming

components of search functions  
search system performance measures  
sw frameworks and frameworks

architectural design  
questions to ask in architectural design  
architectural design re-implementation

decompose system into subsystems  
partitioning (2 slides)  
historical evolution of systems architectures (dbs, blobs)

no-sql for managing metadata  
suggested DB organization [\(edit\)](#)

@everyone does anyone want to cover anything in particular? It might make sense for me to cover the management stuff and overview, and the history of the blobs sounds interesting, but I have no preference whatsoever (it might make sense to set parts "spoken about" as chunks).

[Message #to-do](#)

Try slash commands! A new way to use bots by typing slash. [Dismiss](#)

The screenshot shows the same Slack interface on a different day. The channel is still '#to-do'. The messages now include a detailed list of topics and sub-topics for a presentation or review session. There is also a message from user 'sanketnaik99' indicating they are OFFLINE. The interface remains consistent with the first screenshot, showing the sidebar and the message input field.

## 7. Team Member Contributions

Team member contributions Inbox x ...

 **Georgina Catherine Shirazi**  
to me, alinhuang4991@gmail.com, gabrielpena147@gmail.com, uyeang5678@gmail.com, sanketnaik99@gmail.com, c.saiswetha@gmail.com, veqe1278@gmail.com, William ▾  
Hello team,

My main role in this team is being the team-, github-, and document lead.

**My main contributions to our project (a)**

**Our server, database, and image hosting:**  
For our ec2, RDS, and S3, I worked with my team to set up the instances. I handled managing the instances and have paid for instance usage.

**Zoom meetings:**  
I set up the Zoom meetings (links and gathered time availability from teammates).  
During meetings:  
- I would touch upon the teams (frontend, backend, database) about stuff which needs to be done, and ask about the progress of current to-dos.  
- I would ask team members if they had any questions, or if we were unclear about milestone requirements, we would pool these questions into emails I wrote and sent to Professor Villar. I would update team members when a response was sent.

**Task management:**  
Using GitHub projects, I would keep track of what needs to be done for the current milestone. Before we started using GitHub Projects, we kept track of tasks using our Discord server.  
The Discord Server:  
The Discord server is separated into categories and channels.  
I:  
- inquire team members about meeting times on the server.  
We have regular meetings on Fridays at 11AM and Sunday at 7:15PM.  
Outside of those times, we have meetings. However, not all team members can make it into those proposed meeting times.  
  
I use polls to gather information from our group—for meetings, I have taken meeting times and turned this into a poll. I choose meeting times with the most members and assign them a number from 0 to n. Then I use Dicey (a dice rolling bot) to select a random number within the index range 0 to n, and this random number picks when we will have a next meeting.  
  
- figure out due dates and communicate this to our team via the server and zoom meetings.  
  
(When we are going to present to the class about last week's takeaways) I divide last week's material into presentable chunks (n slides, and divide those into topics), and ask team members which part they would like to present. In most cases, I give team members first pick and take the remaining section left (only time I have picked a section was due to a time constraint to commit to a section).  
  
(When we are going to present to the class about last week's takeaways) I divide last week's material into presentable chunks (n slides, and divide those into topics), and ask team members which part they would like to present. In most cases, I give team members first pick and take the remaining section left (only time I have picked a section was due to a time constraint to commit to a section).  
  
**As a team lead:** I listen to team members. I pay attention to DMs from team members and messages from the Discord server. I have taken a lot of advice from Swetha and incorporated this into our project. For instance, she was getting rightfully stressed about the timing of our deliveries of the milestone documents. We have incorporated this via having more frequent meetings, where we touch base and use the meet time to work on the project.  
  
**Github lead:** The frontend and backend leads have managed their branches well and pushed this into master. I have not needed to do much with the GitHub branches.  
  
**Document lead:** For the wordy parts of the milestone documents, I contributed to the writing of the milestones with my team and would proofread the milestone documents. I would work on the milestone resubmissions with my team and resubmit them to GitHub and send an email to Professor Villar when we resubmitted a milestone. I shared our milestone feedback with our team in the next meeting (closest to receiving the feedback). I keep track of the to-dos using GitHub Project as a task managing tool. During the M3 meet up with Professor Villar and our team, I recorded the discourse using NVidia Shadowplay, divided this into four videos of roughly 5 minutes of length using Shotcut.  
  
**Github commits (b)**  
I have made 26 git commits. Most of the commits are milestone document submissions and edits.  

Sincerely,  
Georgina Shirazi



Swetha C

to Georgina, me, alinhuang4991@gmail.com, gabrielpena147@gmail.com, uyeang5678@gmail.com, sanketnaik99@gmail.com, veqe1278@gmail.com, William ▾

Hello Team,

My role in this team is backend lead.

#### My **contributions** to the project (a)

##### **Our database server:**

I launched the AWS RDS instance in the US West N.California region.

##### **Zoom meetings:**

I had set up the Zoom meetings for the backend team and made note of the current status in the implementation of the API's

I asked the backend team if they had any questions. Also guided them in what API's and the framework we are using for the project.

##### **As a backend lead:**

Segregated the API's within us so that we will have a plan as to what has to be completed for each milestone.

Worked on documenting the API's so that the team is clear about the request and response data. Tested the API's to make sure there are no issues with the logic.

I have divided the work correctly so that backend team members can get an exposure to the framework we are using.

I was always available on discord for the backend team and my team members so that they could drop a message if they had any doubts or if they felt the API had any errors.



##### **As a backend team member:**

For Milestone 2, I had implemented the search API. I worked with the backend team member to divide the API's we need to implement.

These are the API's I implemented:

Room search API

Roommate search API

Login/logout API's (Session management)

Add user API

Add preference API

Get notifications API

Get notifications API

For each milestone, I deployed the backend on our EC2 and installed the necessary dependencies needed for the backend.

Backend stack used:

Python: version 3.8

Flask-cors: version 3.0.10

Flask: version 2.0.2

Mysql-connector: 2.2.9

#### **Github commits (b)**

The number of submissions I made to the

github dev. branch is 15 commits

26 commits to the dev-backend-api

All these commits deal with the backend code.

Regards,

Swetha

\*\*\*

Nov 29, 2021, 9:30 AM (8 days ago)





**ALIN HUANG**

to Swetha, Georgina, me, gabrielpena147@gmail.com, uyeang5678@gmail.com, sanketnaik99@gmail.com, veqe1278@gmail.com, William ▾

Nov 29, 2021, 5:57 PM (8 days ago)



Hello Team,

My role in this team is backend team member.

**As a backend team member:**

I try my best to finish the leader's requirements.

**My contributions to the project (a):**

There are API's I implemented:

1. Add Room(include adding pictures to S3)
2. Update and Delete Room (we didn't have screens to show them)
3. Message (send, get, and make chat room between 2 users api's)
4. Bookmark (Bookmark users and room api's)
5. Show A Room

**Github commits (b)**

I mostly use dev-backend branch to develop backend code

I have made 23 git commit (merge pull request) in master from dev-backend branch

Sincerely,  
Zhiling

Swetha C <[c.saiswetha@gmail.com](mailto:c.saiswetha@gmail.com)> 于2021年11月29日周一 上午9:30写道:

\*\*\*

Nov 29, 2021, 6:40 PM (8 days ago)



**Gabriel Pena**

to ALIN, Swetha, Georgina, me, uyeang5678@gmail.com, sanketnaik99@gmail.com, veqe1278@gmail.com, William ▾

Hello Team,

My role was Database Lead and my **contributions** were:

- Planned out the prototype for the database
- Created the database in workbench to be used by the whole group
- Added dummy values into most tables to be used for testing
- Added columns/deleted columns based on feedback from the backend
- Added tables/deleted tables based on backend feedback
- Contributed to each Milestone documentation

For the github since my role was mainly Database focused most of my work was on workbench. Thus, my only **contribution** to the team github was when I pushed my comments during the code review part of Milestone 4.

Sincerely,  
Gabriel

\*\*\*

**Sanket Naik**

to Gabriel, ALIN, Swetha, Georgina, me, uyeang5678@gmail.com, veqe1278@gmail.com, William ▾  
Hello Team,

My role in the team is frontend lead.

**My contributions to the project (a)****As the frontend lead:**

My role as the frontend lead was as follows -

- Dividing the work among frontend team members.
- Reviewing the code committed by other members.
- Merging all the code from the *dev-frontend* branch into the *master* branch.

**As a frontend team member:**

My main role as a frontend team member was to integrate the APIs developed by the backend team with our frontend and create a clean and simple UI for our application.

The pages that I have developed are as follows -

- Find Rooms Page (Home Page)
- Find Roommates Page
- Add Room Page
- Manage Users Page (Admin)
- Manage Rooms Page (Admin)
- Room Bookmarks Page
- Roommate Bookmarks Page
- Chat Rooms Page
- Chat Page
- Login Page
- Alerts Page
- Room Details Page

Apart from this, I was also responsible for deploying the frontend on our EC2 instance for each milestone.

**Github Commits (b)**

The number of commits I made was 30. All the work for the frontend was done on the *dev-frontend* branch and the code was merged with the *master* branch for each major feature and for each milestone.

Thanks,

Sanket

Nov 29, 2021, 7:09 PM (8 days ago) ⌂

**William Zhong**

to Georgina, me, alinhuang4991@gmail.com, gabrielpena147@gmail.com, uyeang5678@gmail.com, sanketnaik99@gmail.com, c.saiswetha@gmail.com, veqe1278@gmail.com ▾  
Hello Team,

My role in the team is frontend team member.

**My contributions to the project (a)****As a frontend team member:**

My main role as a frontend team member is receiving tasks were assigned by front end lead.

The pages that I have developed are as follows -

- Registration page
- User preference page
- Roommate preference page
- Story board (transfer, disability, landlord) for M2

**Github Commits (b)**

The number of commits I made was 16. All the work for the frontend was done on the *dev-frontend* branch and the code was merged with the *master* branch for each major feature and for each milestone.

Thanks,

William

Get [Outlook for iOS](#)

Nov 29, 2021, 7:24 PM (8 days ago) ⌂

---

**From:** Georgina Catherine Shirazi <[gshirazi@mail.sfsu.edu](mailto:gshirazi@mail.sfsu.edu)>

**Sent:** Sunday, November 28, 2021 11:07:52 PM

**To:** [g.c.shirazi@gmail.com](mailto:g.c.shirazi@gmail.com) <[g.c.shirazi@gmail.com](mailto:g.c.shirazi@gmail.com)>

**Cc:** [alinhuang4991@gmail.com](mailto:alinhuang4991@gmail.com) <[alinhuang4991@gmail.com](mailto:alinhuang4991@gmail.com)>; [gabrielpena147@gmail.com](mailto:gabrielpena147@gmail.com) <[gabrielpena147@gmail.com](mailto:gabrielpena147@gmail.com)>; [uyeang5678@gmail.com](mailto:uyeang5678@gmail.com) <[uyeang5678@gmail.com](mailto:uyeang5678@gmail.com)>; [sanketnaik99@gmail.com](mailto:sanketnaik99@gmail.com) <[sanketnaik99@gmail.com](mailto:sanketnaik99@gmail.com)>; [c.saiswetha@gmail.com](mailto:c.saiswetha@gmail.com) <[c.saiswetha@gmail.com](mailto:c.saiswetha@gmail.com)>; [veqe1278@gmail.com](mailto:veqe1278@gmail.com) <[veqe1278@gmail.com](mailto:veqe1278@gmail.com)>; William Zhong <[wzhong@mail.sfsu.edu](mailto:wzhong@mail.sfsu.edu)>

**Subject:** Team member [contributions](#)

\*\*\*





Ryan Eng

to Swetha, Alin, me, Sanket, William, Gabriel, Ryan ▾

Nov 30, 2021, 9:16 AM (7 days ago)



Hello Team,

**Contribution**

The **contribution** I had on this project is being part of the database team.

I made the tables for the database in google doc with Gabriel the team lead, and he put it in the database server.

I helped with documentation, such as functional requirements, competitive analysis and testing out the product when requested by backend and frontend.

**Github commits**

I have 1 github commit.

Best,

Eanguy Eng

On Mon, Nov 29, 2021 at 9:30 AM Swetha C <[c.saiswetha@gmail.com](mailto:c.saiswetha@gmail.com)> wrote:

Hello Team,

My role in this team is backend lead.

\*\*\*

Reply

Reply all

Forward



## 8. Post Analysis

Georgina Catherine Shirazi

to me, alinhuang4991@gmail.com, gabrielpena147@gmail.com, uyeang5678@gmail.com, sanketnaik99@gmail.com, c.saiswetha@gmail.com, veqe1278@gmail.com, William ▾

8:16 PM (15 minutes ago) ⌂ ⌂ ⌂

Hello Team,

You've all done a great job on this project. I would like to reflect on some big issues we have had while working on this project, and what I should have done better, as a team lead, to address the issues.

**key:**

a. = the issue

i. = subpoints about the situation

b. = what I should do better next time.

Main challenges:

a. As Gabriel mentioned, when we first started this project, we had issues with scheduling.

i. We started having regular meetings on certain days of the week at certain times. This is great as it puts us on the same page, we can work together as a group and serves as allocated project time as it gives us time to work on the project.

b. What I could do better this time is to try to find regular meeting times (where we can all meet as a group) up front. We narrowed this down to 11am on Friday and 7:15pm on Sunday after weeks of meeting.

a. Preparing to submit the milestone on time. We have not missed a single Milestone to this date, but we had a lot of stress making sure we submitted it on time.

i. We resolved it -- our teammate Svetlana proposed we have more frequent meetings and finish the work in advance of the milestone due date. This has worked as to this day we have not missed a milestone.

b. What I could do better this time is to introduce more frequent meetings earlier. Even if all group members cannot attend, finding times where most team members can meet or a team member from one branch could meet, like a representative (frontend, backend, database), or the leads of such branches, would be wise to start earlier.

a. Our environment -- For our first EC2 instance, we stopped it to save money and stay within the free hours tier. One time we started it but it would not boot--the problem showed up even on the AWS console side, as it could not pass all its instance checks. We created another EC2 and installed our software stack on it.

The second time we had an issue with AWS, our RDS was not working--we could not connect to it--even though it claimed to be running and functioning on the AWS console side. It was also the day of submission for M4. We are not sure how it was fixed, but after some time we were able to connect to it again. We had another issue that same day-- our frontend could not be deployed and there were no errors in the logs to assist us. Yarn took a long time to be installed. We figured out the NPM cache was full after trial and error, but it was our first time we encountered this issue.

b. I could diagnose AWS errors better next time (I helped with the NPM cache one). I am in another group project where the ec2 failed due to high CPU utilization. We made another instance, and I reinstalled the stack, but if I tried to take care of this earlier than I did we could avoid stress.

a. Another issue we had initially was with organizing the TODO list. Trello or a similar tool was suggested via milestone 2.

i. As for dividing the work, Sanket suggested GitHub projects which is intuitive, simple, and is connected to the GitHub repo. Milestone 2 we stated we have started using such a tool to divide out work (we have also been using Discord). We have been using it since for milestones 3, 4, and 5.

b. I could start managing tasks earlier. We used Discord at first, but GitHub Projects is a much better tool to use for task management as messages can get buried quick on Discord, Slack, any sort of IM software.

Sincerely,

Georgina Shirazi

Team lead, Group 4





Georgina Catherine Shirazi

to me, alimurang4991@gmail.com, gabrielpena147@gmail.com, uyeang5676@gmail.com, sanketnai99@gmail.com, c.saiswetha@gmail.com, velei278@gmail.com, William ▾

Hello Team,

8:16 PM (15 minutes ago)



You've all done a great job on this project. I would like to reflect on some big issues we have had while working on this project, and what I should have done better, as a team lead, to address the issues.

**key:**

a = the issue

i. = subpoints about the situation

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**Main challenges:**

a. As Gabriel mentioned, when we first started this project, we had issues with scheduling.

i. We started having regular meetings on certain days of the week at certain times. This is great, as it puts us on the same page, we can work together as a group and serves as allocated project time as it gives us time to work on the project.

b. What I could do better this time is to try to find regular meeting times (where we can all meet as a group) up front. We narrowed this down to 11am on Friday and 7:15pm on Sunday after weeks of meeting.

a. Preparing to submit the milestone on time. We have not missed a single Milestone to this date, but we had a lot of stress making sure we submitted it on time.

i. We resolved it – our teammate Sweatha proposed we have more frequent meetings and finish the work in advance of the milestone due date. This has worked as to this day we have not missed a milestone.

b. What I could do better this time is to introduce more frequent meetings earlier. Even if all group members cannot attend, finding times where most team members can meet, or a team member from one branch could meet, like a representative (frontend backend database), or the leads of such branches, would be wise to start earlier.

a. Our environment – For our first EC2 instance, we stopped it to save money and stay within the free hours tier. One time we started it but it would not boot—the problem showed up even on the AWS console side, as it could not pass all its instance checks. We created another EC2 and installed our software stack on it.

The second time we had an issue with AWS, our RDS was not working—we could not connect to it—even though it claimed to be running and functioning on the AWS console side. It was also the day of submission for M4. We are not sure how it was fixed, but after some time we were able to connect to it again. We had another issue that same day—our frontend could not be deployed and there were no errors in the logs to assist us. Yarn took a long time to be installed. We figured out the NPM cache was full after trial and error, but it was our first time we encountered this issue.

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b. I could start managing tasks earlier. We used Discord at first, but GitHub Projects is a much better tool to use for task management as messages can get buried quick on Discord, Slack, any sort of IM software.



Sincerely,

Georgina Shirazi

Team lead, Group 4