

SW Engineering CSC648/848 Spring 2022

GatorJobs

Section 02 Team 05

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Milestone 5

Date Submitted:	10 May 2022
Date Revised:	

1. Product Summary

Name: GatorJobs

System:

- (P1) System shall have a homepage.
- (P1) System shall have admin pages.
- (P1) System shall have an admin login page.
- (P1) System shall have a company login page.
- (P1) System shall have a student login page.
- (P1) System shall have a student page.
- (P1) System shall have a company page.
- (P1) System shall give alerts to students if any jobs are available.
- (P1) System shall have a search bar / filters.

Admin:

- (P1) Admin shall be able to view and filter students and company data.
- (P1) Admin shall be able to notify students about available job offers.
- (P1) Admin shall be able to filter jobs.
- (P1) Admin shall be able to filter and match students.

Student:

- (P1) Students shall be able to create and register accounts using their sfsu email or ID number.
- (P1) Students shall receive job alerts if some job description matches their portfolio.
- (P1) Students shall be able to search and filter for tech jobs using the search bar or filter tool at the top of the page.
- (P1) Students shall be able to add a link to their websites or projects. Links can be student's own personal websites or GitHub page
- (P2) Students shall be able to upload a picture of themselves to their profile.
- (P3) Students shall be able to upload recommendations from professors.

Companies:

- (P1) Companies shall be able to create and register accounts.
- (P1) Companies shall be able to post job availability by posting about the job titles, descriptions and skill set requirements.
- (P2) Companies shall be able to upload a company picture or logo to their profile.

Unique: Ability to ask professors for a recommendation. Imagine companies and students being able to save time because a teacher is willing to vouch for a student. For example, a

teacher with a verifiable history being able to co-sign a student's skills would show a company that they should make a deliberate effort to interview or hire the student. This would allow students to stand out and draw more users to our platform.

URL to Product: 34.102.11.81/home

2) Milestone documents – M1-M4 M1, M2, M3 feedback summary report, M4 - all frozen versions after feedback was incorporated as specified before. You do not have to revise them based on changes after they were frozen. This way they are kind of “snapshots in time”.



Henry Villar
Sun 3/6/2022 10:52 AM

To: Jasneil Singh Nat

↶ ↷ ↸ ↹ ⋮

M1 T5 (GatorJobs) Feedback

CEO/CTO Feedback

Good starting point but missed some details as the MVC architecture. Although you placed your roles at the end, we were expecting to see them on the title page. The data structure needs more details as that would help you to build your database and with your components interaction. Also pay attention to the list of non-functional requirements, one is missing. Please contact us if any further question.

Instructor Feedback

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

ID	Item	Criteria	Feedback
01	Expected size of this document	About 7-10 pages	Good (14). Double space.
02	Title Page	Format and Structure <ul style="list-style-type: none"> • SW Engineering CSC648/848 Fall 2022" • Section Number • Team number • Names of students and roles • M1 • History table (revision) 	Good. <i>Missing the roles in the title page of: Nomar Olivas Risheek Agrawal Purva Zinjarde Shem Cheng Yasin Hagos</i>
03	Executive Summary	~1 page. Whv we should fund this project?	GOOD. <i>Highlight: "...GatorJobs has a major advantage of being applied to connect pre-cleared employees with the main tech center of the world..."</i>
04	Personas and main Use Cases	About 1/3 of a page per persona 4-5 main use cases. Descriptive title and number to each use case	Good. Your list of personas and uses cases reflect the an alignment to the initial ask. Personas <ol style="list-style-type: none"> 1. Amy (student) 2. NewTech (startup tech company) 3. T5 (admin) Use Cases: <ol style="list-style-type: none"> 1. Student Sign-up 2. Registration 3. Company sign-up 4. Login 5. Change password 6. Post jobs 7. Search/Filter 8. Get Alerts
05	List of main data items and entities	Name, meaning, usage, etc.	[+1] Admin, Student and Companies categories here would need to expand for more details with names and data type data structure.
06	Initial list of functional requirements	High level functions you plan to develop	Good. 17 requirements . Nice you already prioritized your requirements.
07	List of non-functional requirements	Performance, expected load, security requirements, storage, availability, fault tolerance	[+5] They should be 13, I counted only 12. These are non-negotiable non-functional requirements.
08	Competitive analysis	3-4 competitive products	Good. You should add references to your sources.
09	High-level system architecture and technologies used	Itemized list of all main SW components	[+2] The HL architecture is missing. I was expecting to see the MVC design pattern architecture here, as I mentioned during class.
10	Team and roles	List student names	Good
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 for final delivery with M5.

~Prof. Villar

...

CSC648-848 Spring 2022 Section 2 Milestone2 Vertical Prototype Team 5



Henry Villar
Sat 3/26/2022 12:27 PM
To: Jasneil Singh Nat

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T5 M2 & VP Feedback**CEO/CTO Feedback**

Good job in the documentation and mockups. Good list of P1s. Be mindful about the progress of your product, the VP was expected to be in production. Make sure you work on your implementation to catch up, making it work in production.

Instructor Feedback

Overall Objective of Milestone 2 [Need improvement, On track, Above Expectations]: Doc and VP On track; VP/product must be in production, not in the localhost....

Specific Feedback:

ID	Item	Criteria	Feedback
00	Expected size of this document	About 20-25 pages	25 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)	Good Priority 1 list: 16 P2: 2 P3: 2
02	UI Mockups and Storyboards (high level only)	All major use cases from M1. Format is very flexible, recommend hand drawings	On Track. Great mockups. I know the VP didn't need to look like the mockup, but the final product it is. Just be mindful.
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>	On Track. Good.
04	High Level UML Diagrams	<i>HL Class diagrams, and Component and deployment</i>	On Track. Good.
05	Key risks for your project at this time	Skills, schedule, technical, teamwork, legal/content	On Track. Interesting that: "None of the team members are especially experienced in building and maintaining a website." Well, hope this project give all of you some experience.
06	Project management	No more than half a page how you managed and plan to M2 and future tasks. Must start using Trello or similar tools for task management	On Track. Good.
07	Vertical Prototype (VP)	Working prototype in production Search capabilities [1] Text field and [2] filter/category use cases	VP demo was conducted in localhost Text: Ok Filters: Ok

Next Steps: Review this feedback with your team, incorporate those critical items to your document and freeze it. Keep working on your M3, which need most of the requirements to be implemented.



Henry Villar
Mon 4/25/2022 8:27 PM
To: Jasneil Singh Nat

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CSC648-848 M4 T5 Feedback

CEO/CTO M4 Feedback

Gator Jobs, overall good job. It is important to have good plans for your Usability Test and QA. Remember to take any opportunity to sell your product, your summary with your uniqueness is missing. Focus on finalizing your documentation and product, make sure to work on the implementation of your pending product's features.

Instructor M4 Feedback

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

Specific M4 Feedback:

ID	Item	Criteria	Feedback
01	Objectives Achieved?	1. To make final commitment for functions to be delivered 2. To check that all required non-functional specs are satisfied or on track 3. To practice formal usability test plan development 4. To practice formal QA 5. To practice code review 6. Ensure basic practices of secure SE are applied 7. Ensure effective teamwork 8. Ensure software development is effective	Yes, the objectives seem to be achieved.

			On Track.
02	Document delivered (PDF)	<p>1. Product summary (~1/2 p) 2. Usability test plan (~2 p) 3. QA test plan (~2 p) 4. Code Review (~2 p) 5. Self-check on best practices for security (~1/2 p) 6. Self-check: Adherence to original Non-functional specs ~7 pages</p>	<ul style="list-style-type: none"> • Nice organized list of (19) P1 – some P2 and P3. However, it was expected for this section to have a paragraph with a summary explaining the uniqueness of your product. • UT: good steps. • QA testing. Okay table. Missing directions to tester. • Code review is okay. • Security best practices are okay, will be reviewing this in M5/demo. • Non-functional Specifications (13): only 8 are marked as done. The release is almost here. Make sure to finalize those in On-Track status.

Next Steps for M4: Review feedback, incorporate accordingly and freeze it. Then focus on M5 and finalize all the pending functionalities and be ready for your final product release, the demo and all documentation.

~Prof. Villar

3) Screenshots of actual final product as shown in the demo, one per page **Section title: "Product Screen Shots" contains copies of all final screen shots of your final product (1 per page).**

A little about us:

One of the most exciting and stressful times for a new graduate can be the process of finding their first job. After time at San Francisco State, students have begun to discover what career paths they may be passionate about in Technology. GatorJobs is a service that will allow companies to post jobs while having a streamlined and intuitive process for job seekers. The founders here at GatorJobs are in the process or have completed their journey and have been able to see first hand what they want in a job search website. Being able to connect prospective employers and eager students is filling an important role in a process that is constantly evolving.

Users will have an excellent time utilizing GatorJobs due to a job filter that allows users to apply to jobs they are most passionate for. The main focus on jobs in technology allows for a more refined process instead of being weighed down by multitudes of industries. The more personable nature of GatorJobs in the home of tech here in Silicon Valley, will allow companies to trust that the job applicants have attended a strong and comprehensive computer science program. This positive feedback loop will in turn lead to better companies providing better opportunities to San Francisco State students and Alumni.

GatorJobs has a major advantage of being applied to connect pre-cleared employees with the main tech center of the world. Our student team is capable and dynamic, and proud to be able to help fellow classmates get jobs in tech. The process of interviewing may be stressful, so here at GatorJobs it will be easy to find the jobs you want and apply.

[Click here to know us a little better!](#)

This website is the intellectual property of Team 5. SFSU Software Engineering Project CSC 648-848, Spring 2022. For Demonstration Only.

Home page

ENTER USERNAME

ENTER PASSWORD

ADMIN

Login

This website is the intellectual property of Team 5

Admin login

GATORJOBS

Logout

WELCOME ADMIN!

SEARCH STUDENTS SEARCH JOBS

FILTER BY DOMAIN

FILTER BY SKILLS

FILTER BY EDUCATION LEVEL

Search

Showing results of filtered students:

Bobby Bobbert

Objective:

Degree: PhD

GPA: 3.7

Domain: Robotic Process Automation (PA)

Select

Nomar

Objective: Obj

Degree: PHD

GPA: 4

Domain: Cyber Security

Select

Jasneil

Objective: Backend

Select

This website is the intellectual property of Team 5.

Admin homepage (search on students)

GATORJOBS

Logout

WELCOME ADMIN!

SEARCH STUDENTS SEARCH JOBS

FILTER BY DOMAIN

FILTER BY SKILLS

FILTER BY EDUCATION LEVEL

Search

Showing results of filtered jobs:

Senior Software Engineer

Company Name: Apple

Description: Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat

Annual Compensation: 40000

Required Skills: Java

Domain: AI/ML

Select

abc

Company Name: Epic

Description: test

Annual Compensation: 100000

Required Skills: Java, HTML

Domain: Quantum Computing

Select

This website is the intellectual property of Team 5.

Admin homepage (search on jobs)

GATORJOBS

Logout

WELCOME ADMIN!

Bobby Bobbert

Objective:

Degree: PhD

GPA: 3.7

Domain: Robotic Process Automation (PA)

FILTER BY DOMAIN

FILTER BY SKILLS

FILTER BY EDUCATION LEVEL

Search

Showing results of filtered jobs:

Senior Software Engineer

Match

Company Name: Apple

Description: Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

Annual Compensation: 40000

Required Skills: Java

Domain: AI/ML

abc

Match

Company Name: Epic

This website is the intellectual property of Team 5

Admin - Searching Jobs for selected Student

GATORJOBS

Logout

WELCOME ADMIN!

Bobby Bobbert

Objective:

Degree: PhD

GPA: 3.7

Domain: Robotic Process Automation (PA)

Senior Software Engineer

Company Name: Apple

Description: Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

Annual Compensation: 40000

Required Skills: Java

Domain: AI/ML

Match and send alert

This website is the intellectual property of Team 5

Admin matching student and job

GATORJOBS

Logout

WELCOME ADMIN!

Network Engineer

Company Name: Microsoft

Description: Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

Annual Compensation: 50000

Required Skills: JavaScript

Domain: Cyber Security

FILTER BY DOMAIN

FILTER BY SKILLS

FILTER BY EDUCATION LEVEL

Search

Showing results of filtered jobs:

Bobby Bobbert

Objective:

Degree: PhD

GPA: 3.7

Domain: Robotic Process Automation (PA)

Match

Nomar

Objective: Obj

Match

This website is the intellectual property of Team 5

Admin - Searching Students for selected Job Profile

GATORJOBS

Logout

WELCOME ADMIN!

Bobby Bobbert

Objective:

Degree: PhD

GPA: 3.7

Domain: Robotic Process Automation (PA)

Network Engineer

Company Name: Microsoft

Description: Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

Annual Compensation: 50000

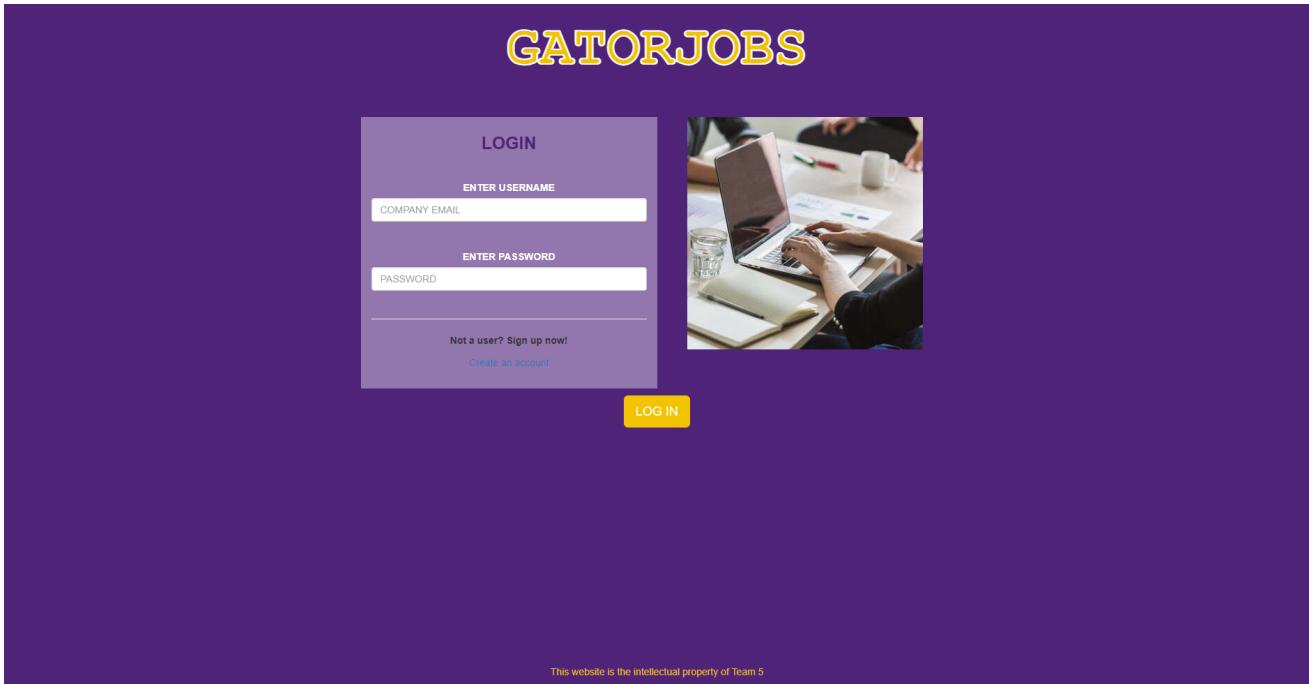
Required Skills: JavaScript

Domain: Cyber Security

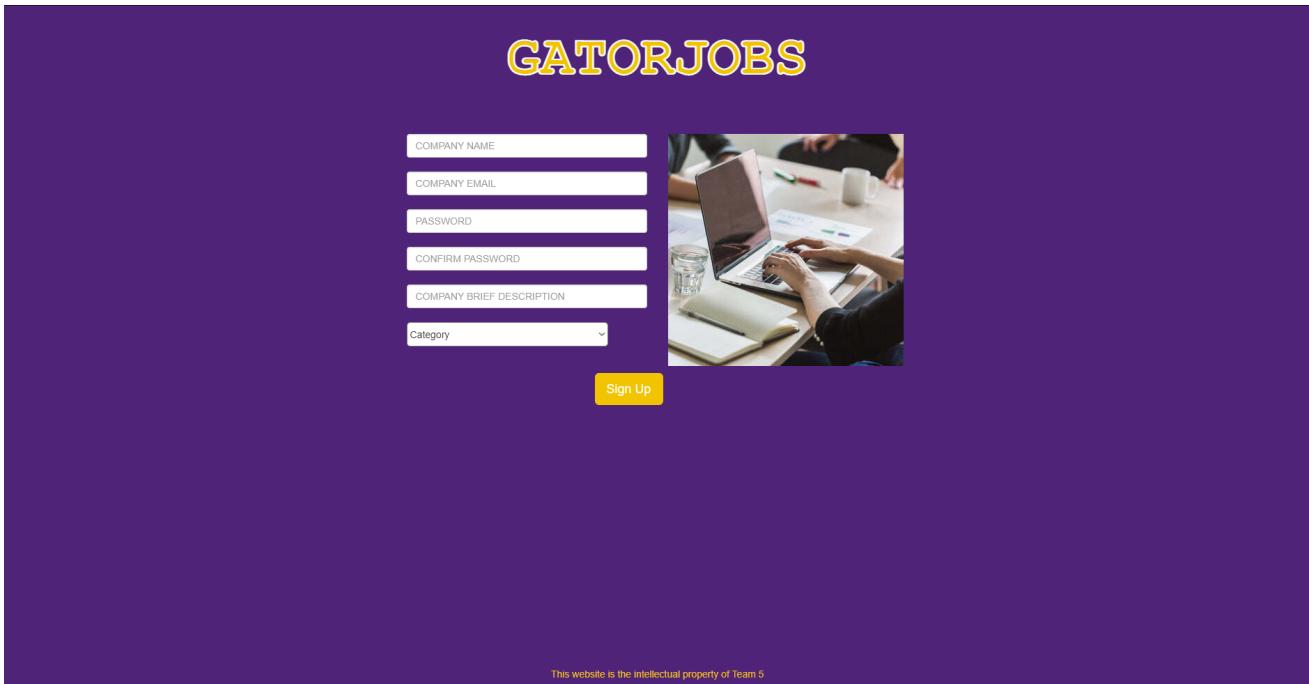
Match and send alert

This website is the intellectual property of Team 5

Admin matching student and job



Company login



CompanySignup

GATORJOBS

Search Students Logout

Epic
epic game company
 epic@epic.com

Current job listings:

abc
Description: test
Annual Compensation: 100000
Required Skills: Java, HTML
Domain: Quantum Computing
test
Description: test
Annual Compensation: 10000
Required Skills: test
Domain: Artificial Intelligence and Machine Learning

POST NEW JOBS

Job Title
Job Description
Skills
Separate the skills with comma
Select a Domain
FILTER BY DOMAIN
Estimated Salary
\$

Post

This website is the intellectual property of Team 5

Company Homepage

GATORJOBS

Search Students Logout

Tesla
Tesla, Inc. is an American automotive and clean energy company based in Austin, Texas.
 tesla@mail.com

Search Students by Filtering

Cyber Security	JavaScript	PhD
----------------	------------	-----

Close **Search**

POST NEW JOBS

Job Title
Job Description
Skills
Separate the skills with comma
Select a Domain
FILTER BY DOMAIN
Estimated Salary
\$

Post

This website is the intellectual property of Team 5

Company searching for Students

Results for your search:

Showing results of filtered students:

Nomar

Objective: Obj

Degree: PHD

GPA: 4

Domain: Cyber Security

This website is the intellectual property of Team 5

Results of matched Students

GATORJOBS

LOGIN

ENTER STUDENT ID

ENTER PASSWORD

Not a user? Sign up now!
[Create a student account](#)

Login



This website is the intellectual property of Team 5

Student login

GATORJOBS

Female
 Male
 Other



[Sign Up](#)

This website is the intellectual property of Team 5

Student Signup

Student Registration

Follow the 6 simple steps to complete your registration and start applying for jobs!

Step 1/7

Basic Information

Choose a profile picture:

Choose File No file chosen

[Next](#)

Student Registration Steps

Bobby Bobbert

[Alerts](#) [Search](#) [Logout](#)

Basic Information

Address: 1234 Street St
Pin code: 9876
Date of birth: 1990-07-18
Links:

Educational Qualifications

Certifications

Skills & Languages

Work Experience

This website is the intellectual property of Team 5

Student Homepage

Bobby Bobbert

[Alerts](#) [Search](#) [Logout](#)

Basic Information

Address: 1234 Street St
Pin code: 9876
Date of birth: 1990-07-18
Links:

Educational Qualifications

Degree: PhD
GPA: 3.7
Start Date: 2020-05-19
End Date: 2020
Description:
Awards / Papers:

You have these Job matches

Company Name: Apple
Job Title: Senior Software Engineer
Job Description: undefined

Company Name: Microsoft
Job Title: Network Engineer
Job Description: undefined

Close

This website is the intellectual property of Team 5

Student Job Alerts

Bobby Bobber

Search Jobs by Filtering

FILTER BY DOMAIN

- Artificial Intelligence and Machine Learning
- Robotic Process Automation (RPA)
- Edge Computing
- Quantum Computing
- Virtual Reality and Augmented Reality
- Blockchain
- Internet of Things (IoT)
- 5G

FILTER BY SKILLS

FILTER BY JOB TITLE

Cyber Security

Basic Information

Address: 1234 Street St
Pin code: 9876
Date of birth: 1990-07-18
Links:

Educational Qualifications

Degree: PhD
GPA: 3.7
Start Date: 2020-05-19
End Date: 2020
Description:
Awards / Papers:

This website is the intellectual property of Team 5.

Student searching for Jobs

GATORJOBS

Logout

Results for your search:

Showing results of filtered jobs:

Microsoft

Job Description: Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

Required Skills: JavaScript

Annual compensation: 50000

Category: Cyber Security

This website is the intellectual property of Team 5.

Results of Job search by Student.

4) Screenshots of key DB tables

The screenshot shows the MySQL Workbench interface with the 'Student' table selected in the 'GatorJobsDB' schema. The table has 13 columns: Student_ID, Username, Password, Name, Photo_path, Email, Address, Phone_number, Date_of_birth, Pin_code, Links, Skills, Languages_spoken, Proficiency, Objectives, Recruiters, and a primary key column. The data grid displays 13 rows of student information, including names like Nomar, Steven, and Yasin, along with their contact details and skills like Python, Swift, and Java.

Student_ID	Username	Password	Name	Photo_path	Email	Address	Phone_number	Date_of_birth	Pin_code	Links	Skills	Languages_spoken	Proficiency	Objectives	Recruiters
123	nomar0ivas	123456	Nomar	rdwiles123	nomar@apple.com	123 Gator Dr	3245678	8/16/2000	1234	nomar.com	JavaScript, English	4	Obj	Rec	
2020	Jesneil2	Robert123	Jesneil	rWilles	steven@apple.com	333 Holloway Dr	3245676	1/15/1989	4543	robert.com	Python, English	4	Backend	Teach	
3130	stevenJ	#5c1c0d0a0bdc_8	Steve	steven@apple.com	123 Apple Dr	5050	8/15/2000	5050	Apple.com	Swift, English	1	Obj	Rec		
321	123456	123456	321	321	321@gmail.com	307	321	12/12/1990	1234	321.com	HTML, CSS, JS	4	HTML	HTML	
32114	Yasin45	4949kelo	Yasin	Yasin@gmail	34 Font	3454667	8/16/2000	56	Yasin.com	CSS, English	6	Backend	No Rec		
4333	Rishabh2	7890	Rishabh	Rishabh@gmail	456 Gator Dr	1234	8/17/2002	4567	linda.com	PHP, CSS, JS	2	Obj	REC		
456	Purva35	Pwad	Purva	Purva@gmail	5050 Gator Dr	6780	8/15/1990	1212	Gator.com	Java, French	8	Web Dev	Teach		
5050	Shem23	Ethan22	Shem	shem@mail.com	1234 Street St	32456790	8/16/2000	19	shem.com	HTML, CSS	4	FrontEnd	Pro		
6789	Shem23	Ethan22	Bob Bobby B...	bob@bobby.com	987 Front Blvd.	32345	5/10/2014	3445	Hello.world	HTML, English	4	FrontEnd	Pro		
7895546	\$25\$123411ANX0eVnD7gAPl0Q2gaaCFDxSj...	password	Rob Bobby B...	mail@mail.com	1234 Street St	32456790	11/22/2013	7896	HTML	HTML	4	FrontEnd	Pro		
987	\$25\$123..7UJuHUrctGZaFJuavjq7DF3ddwy...	bobby	bob@bobby.com	mail@mail.com	123456790	112233	12/12/2013	7896	HTML	HTML	4	FrontEnd	Pro		
988	\$25\$123..7UJuHUrctGZaFJuavjq7DF3ddwy...	bobby	bob@bobby.com	mail@mail.com	123456790	112233	12/12/2013	7896	HTML	HTML	4	FrontEnd	Pro		

Student Data

The screenshot shows the MySQL Workbench interface with the 'Company' table selected in the 'GatorJobsDB' schema. The table has 10 columns: Company_ID, Username, Password, Name, Email, Photo_path, Permissions, Description, Category, and Company_logo. The data grid displays 2 rows of company information, including names like Apple and Microsoft, along with their descriptions and category Cyber Security.

Company_ID	Username	Password	Name	Email	Photo_path	Permissions	Description	Category	Company_logo
1	Apple	Apple	Apple	abc@apple.com	HULL	HULL	Lorum ipsum dolor sit amet, consectetur adipisc...	AI/ML	HULL
2	Microsoft	Microsoft	Microsoft	123@Microsoft.com	HULL	HULL	Lorum ipsum dolor sit amet, consectetur adipisc...	Cyber Security	HULL

Company Data

Jobs Data

MySQL Workbench

Administration Schemas

Filter objects

Schemas

GatorJobsDB

Tables

Columns

Indexes

Foreign Keys

Triggers

Student

Student_Certifications

Student_Educational_Qualifications

Student_Jobs

Student_Work_Experience

Views

Stored Procedures

Object Info Session

Table: Jobs

Columns:

Job_ID	Title	Description	Annual_compensation	Graduation_year_from	Graduation_year_to	Required_skills	Category	Company_ID
100	Senior Software Engineer	Lore ipsum dolor sit amet, consectetur adipisc...	40000	2018	2022	Java	AI/ML	1
200	Network Engineer	Lore ipsum dolor sit amet, consectetur adipisc...	60000	2022	2024	JavaScript	Cyber Security	2

Action Output Time Action Response Duration / Fetch Time

4 11:15:36 SELECT * FROM GatorJobsDB.Jobs LIMIT 0, 1000 2 row(s) returned 0.077 sec / 0.000010...

Result Grid Filter Rows: Search Edit: Export/Import:

Form Editor Field Types Query Stats Execution Plan

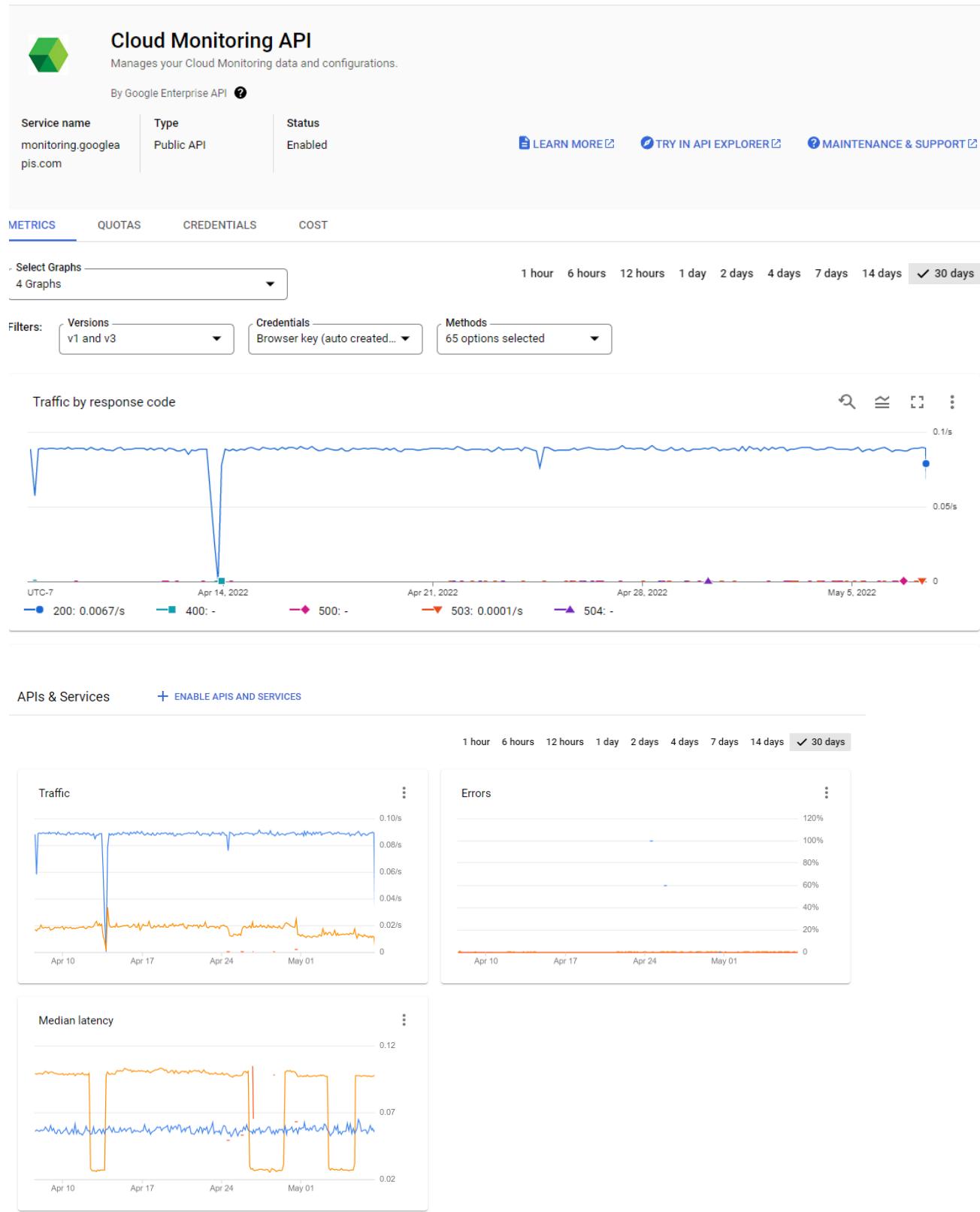
Jobs 1

Query Completed

100% 1/1

1 • `SELECT * FROM GatorJobsDB.Jobs;`

5) Google analytics plot for our WWW site



6) Task management system (Trello) showing a snapshot of your project management

The image displays two side-by-side screenshots of a Trello workspace. Both screenshots show a dark-themed interface with a sidebar on the left and three main columns on the right: To Do, Doing, and Done.

Screenshot 1 (Top): Milestone 2 VP Board

- To Do:** Front End - Purva, Risheek, Yasin
Back End - Nomar, Jas, Shem
- Doing:** Student Log In/ Company Log in - Nomar
- Done:** + Add a card

Screenshot 2 (Bottom): Milestone 3 Board

- To Do:** Front End Purva, Risheek, Yasin
Back End - Nomar, Jas, Shem
- Doing:** + Add a card
- Done:**
 - Demo Meeting with Professor
 - All pages created
 - tables inserted

Common Sidebar (Left of both screenshots):

- Boards
- Members
- Settings
- Workspace views
 - Table
 - Calendar
- Your boards
 - Milestone 2 VP
 - Milestone 3
 - Milestone 4
 - Milestone 5

Front End Purva, Risheek, Yasin

in list [To Do](#)

Description [Edit](#)

Selecting API for Demo
Creating pages for demo
UI responsiveness

Activity [Show details](#)

Add to card

- Members
- Labels
- Checklist
- Dates
- Attachment

Back End - Nomar, Jas, Shem

in list [To Do](#)

Description [Edit](#)

Deploying flask on production server
inserting tables into database
integrating search algorithm

Activity [Show details](#)

Add to card

- Members
- Labels
- Checklist
- Dates
- Attachment
- Cover
- Custom Fields

Add dropdowns, text fields, dates, and more to your cards.

The interface shows a sidebar with options like Boards, Members, Settings, Workspace views (Table, Calendar), and Your boards (Milestone 2 VP, Milestone 3, Milestone 4, Milestone 5). The 'Milestone 4' board is selected.

- To Do**
 - Front End Purva, Risheek, Yasin
 - Back End - Nomar, Jas, Shem
- Doing**
 - The Whole Team - Finalize all pending Functionalities
- Done**
 - Selected application functions render well on mobile devices
 - Data stored in the team's chosen database technology and on the team's deployment server.
 - Site security basic best practices applied

+ Add a card

Front End Purva, Risheek, Yasin

in list To Do

Description [Edit](#)

Assure all non functional requirements are on track

Activity [Show details](#)

Add to card

Members

Labels

Checklist

Back End - Nomar, Jas, Shem

in list To Do

Description [Edit](#)

Adding firebase to our server
ensure best practices for security
Test search and filtering of students and jobs

Activity [Show details](#)

Add to card

Members

Labels

Checklist

Dates

The image shows a digital workspace interface with a dark background. On the left, there is a sidebar with various navigation options. The main area displays three boards: 'To Do', 'Doing', and 'Done'. Each board has a list of tasks and a 'Add a card' button.

- To Do**:
 - Front End Purva, Risheek, Yasin
 - Back End - Nomar, Jas, Shem
- Doing**:
 - all milestone 5 documentation
- Done**:
 - Google maps and analytics
 - Screen shots of Key database tables

Left Sidebar:

- Boards
- Members
- Settings
- Workspace views**
 - Table
 - Calendar
- Your boards
 - Milestone 2 VP
 - Milestone 3
 - Milestone 4
 - Milestone 5**

Top Right: Power-Ups

7) Team member contributions This is a collection of e-mails that each team member sends to ALL of their respective team members :

Team Member Contributions

JN

Jasneil Singh Nat

Sun 5/8/2022 12:16 PM



To: Nomar Olivas; Risheek Agrawal; Purva Sachin Zinjarde; Shem Cheng; Yasin Jember Hagos

Hello Team,

It has been a pleasure to work with all of you!

My primary responsibility as team lead was to make sure I kept track of milestones and due dates for the team. I spearheaded the documentation in each section and helped assign team members to tasks needed for completion. I kept track of functional and non-functional requirements and made sure we were working as a cohesive unit and not expending extra effort until critical requirements were completed. I stayed in constant communication with the class CEO/CTO and disseminated feed back to the group, after each milestone, to reorient us in the software development process. I coordinated meeting times and worked with our Front/Back end and Github Lead to maximize their efficiency.

I also contributed code to the Admin Home page and during our group meetings, by looking to reduce errors in code and resolve error messages in the debugging process.



Very Respectfully,

Jasneil Nat
Team 5 Lead

Team Member Contributions

PZ

Purva Sachin Zinjarde

Mon 5/9/2022 11:19 PM



To: Jasneil Singh Nat; Nomar Olivas; Shem Cheng; Risheek Agrawal; Yasin Jember Hagos

Hello team,

It was really nice working with you all!

Being a front-end lead, my primary responsibility was to design web pages for the Homepage, Students, Admin, and Company. Out of the four, I completed the design for the Homepage, Admin module, and the Student Login, Signup, and the Student Homepage. In addition to that, I worked on the dynamic population of the data for the Admin, Student, and Company pages. I coordinated with the team for making any changes concerning the front end in case of any issues.

Additionally, I wrote the APIs for the Student module and the Admin module. These included login, signup, getting data for the homepages, filtering data, logout, and redirection.

I also worked with the team by trying to resolve any issues my fellow teammates were facing.



I enjoyed working with you all. Hope to work with you again!

Warm regards,
Purva Zinjarde

Team Member Contributions



Mon 5/9/2022 1:37 PM

To: Jasneil Singh Nat; Purva Sachin Zinjarde; Risheek Agrawal; Shem Cheng; Nomar Olivas



Hello Team,

It was really nice working with you all.

My role was a flex position and was responsible for helping with the front-end/back-end, whenever I could be useful. I was also responsible for making sure all documentation for milestones were complete and accurate before submission.

It was my first time working with a group this big and I've learned a lot from the team working on this project

Kind Regards,

Yasin Hagos

Team 5 Back End



Shem Cheng

Mon 5/9/2022 1:36 PM

To: Nomar Olivas; Jasneil Singh Nat; Yasin Jember Hagos; Purva Sachin Zinjarde; Risheek Agrawal



Hi all,

It's been a blast working with you all.

As the GitHub Lead I created our GitHub repository but other than that, there wasn't much for me to take care of on that front. Everybody was very responsible with keeping their codes updated and pushing their changes. If I could redo things however, I think I would have asked everybody to create a branch of our main repository to work on in order to minimize the risk of conflict and override (which we still somehow managed to avoid).

Besides GitHub, I was also helped set up and maintain our server on Google's GCP, write the Company and Jobs APIs, and test our website. Every once in a while, our server would go down and we would lose connection, requiring me to reboot our instance. There was also an issue with the storage size of our server being too small, so I had to resize the disk because of that. I also mounted Flask onto our production server, allowing users to access our website and APIs from outside.

For the Company and Jobs APIs, I mostly followed the work the rest of the team had done for Admin and Students. My APIs include signup and login for companies and job posting.

Finally for testing our website, I updated the code of our website on our server by using SSH and pulling from GitHub there. I then accessed our website and tested the functionality of our APIs while keeping an eye on the console and logs for any error outputs.



jeshem

44 commits 308 ++ 267 --

#3



Team Member Contribution

RA

Risheek Agrawal

Tue 5/10/2022 8:18 AM

To: Purva Sachin Zinjarde; Jasneil Singh Nat; Yasin Jember Hagos; Shem Cheng; Nomar Olivas

Hello Team,

It was my pleasure to work with you all!

My role on the team was helping the front-end lead and making pages for front end. I was responsible to build pages for company which were company home page, login, signup, company search page and student search page. I also wrote few JavaScript codes in these pages to bring functionality in buttons as wells and option selectors. I coordinated with the team to make new changes in the page I worked on and also tried to find a solution to store blobs using cdn and aws.

It was really a nice experience working with you all. And thanks a lot for managing meetings according to my time zone.



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Team Member Contributions

1 ↴

NO

Nomar Olivas

Mon 5/9/2022 12:01 PM

To: Jasneil Singh Nat; Purva Sachin Zinjarde; Shem Cheng; Risheek Agrawal; Yasin Jember Hagos



Hello Team,

It has been nice working with everyone!

My primary responsibility as Back-end lead was to help set up a Google Cloud Server along with creating a MySQL Database. I created the tables in the MySQL database in order to store the data for each company, student, and admin accounts.

In addition, I contributed in developing the Student APIs for the connection between the front end and back end. I also coordinated encrypting passwords for Student accounts. I also worked in researching and finding solutions to issues that we faced when connecting the front end and back end.

Thank you all for helping create an amazing web application!

Best,

Nomar Olivas

Team 5 Back-End Lead

9) Post analysis

One of the major issues we faced as a team was the geographic divide within our team. We were able to counter this by being diligent in planning our meetings and having team members in similar time zones work on similar tasks. This helped to mitigate the effect, but is an issue that could also be run into at any corporation with clients or partners around the world.

As a team we had to be ready to use new technologies that we did not have much experience with. One of the things we quickly realized is that by looking at technologies that were often used together, we would have access to more documentation. We also began to notice that the built in features of the google cloud platform quickly allowed us to see graphs of analytical info that indicated the APIs we had written were executing successfully.

As the project went on we were better at working as a team. As we switched toward refinement and being able to have a working Vertical prototype, we found that we were able to use code from previous pages or features in the new ones we were implementing. It was important that we had well defined requirements before we started coding. Strategizing before implementing our database tables helped us to know how the front end and back end would eventually be connected.

Overall, it was a pleasure to work in this team and this class and project were able to give us the skills and confidence for a multitude of jobs in the software development industry.