

Milestone 5

Podium Scholars

Final Project for SW Engineering Class CSC

648-848 Spring 2024

Section 2

05/14/2024

Team 3

Lei Woods (Team Lead)

Eric Kunzel

Chunyin (Alex) Chan (Front End Lead)

Elliot Bullard (Github Master)

Mila Avagimova

Oscar Galvez

Riel Orque (Back End Lead)

<http://ec2-54-219-139-205.us-west-1.compute.amazonaws.com:3000/>

History Table

Submission Date:	Revision Date:	Revisions Made:
5/14/2024		

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Section I: Product Summary

Product Name: Podium Scholars

Major Committed Functions:

1. Home Page
2. Search Function and Search Page
3. Search Filtering
4. Register and Login Function
5. UI Responsiveness
6. University Review Functionality

URL to website: <http://ec2-54-219-139-205.us-west-1.compute.amazonaws.com:3000/>

Podium Scholars

Our project, **Podium Scholars** is a web-based service aiming to take home the gold in the way college students, university officials, and athletic enthusiasts engage with the Olympic games within the USA's collegiate system. Led by a team of San Francisco State University students, this platform is designed to bridge the information gap between universities' athletic achievements at the Olympics and prospective students aspiring to Olympic greatness.

At its core, **Podium Scholars** serves a dual purpose: it allows USA universities to showcase their contributions to the Olympics, including athlete participation, sports represented, and medals won, and it provides a comprehensive search tool for students with Olympic aspirations. Users can effortlessly search by state, sport, and year to find universities that have historically supported athletes in their Olympic journeys. This service not only celebrates the universities' athletic programs but also aids in the decision-making process for students seeking institutions with strong support for their Olympic dreams.

What sets **Podium Scholars** apart is its user-centric design and innovative features. The application boasts a responsive user interface, optimized for both desktop and mobile devices, ensuring a seamless experience across platforms. By leveraging technology such as Amazon Web Services (AWS) for hosting, Ubuntu Linux as the operating system, and JavaScript alongside Express.js for server-side operations, the platform provides reliability, speed, and security. Our use of MySQL 8.3 for database management, coupled with the latest web standards including HTML5, CSS3, and TypeScript, ensures that **Podium Scholars** is not only at the forefront of technological innovation but also easy to use and accessible to all.

Furthermore, **Podium Scholars** integrates Google Maps and analytics, enriching the user experience with interactive maps and insightful data analytics. This feature allows for an understanding of the geographical distribution of Olympian-producing universities, enhancing

the search and discovery process. To ensure user privacy and security, we adhere to best practices and utilize AWS Certificate Manager for SSL certificates, making every interaction secure.

The team behind **Podium Scholars** comprises a group of passionate SFSU students, united by a vision to empower Olympic hopefuls and celebrate athletic excellence within the academic environment. Our diverse skills in software engineering, user experience design, and project management drive the project's success, guided by modern software development processes and collaboration.

In summary, **Podium Scholars** provides invaluable services to USA's academic and athletic communities. It not only facilitates informed decision-making for aspiring Olympians but also offers universities a platform to showcase their athletic prowess. Our commitment to excellence, combined with a user-focused approach and technological sophistication, makes **Podium Scholars** a worthy investment for the future of collegiate athletics and Olympic aspiration.

Section II: Milestone Documents

Milestone 1 Feedback:

T3 "Olympian Tracker" M1 Feedback

CEO/CTO Feedback :

Team Olympian, good job with this checkpoint. Need to work on functional and non-functional requirements and align according to the milestone1 document.

Instructor Feedback :

Overall Objective of Milestone 1 [Need improvement, On-track, Above Expectations]: On track with some details for your consideration.

	Item	Criteria	Feedback
01	Expected size of this document	About 7-10 pages	Good (13).
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. Please add history table in the Title page.
03	Executive Summary	~1 page. Why we should fund this project?	Good. The motivation, functions and services, design and team are well described.

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	Good. Well defined and cover overall. (3) Personas and (5) Use Cases.
05	List of main data items and entities	Name, meaning, usage, etc.	Good. Need to add data type for each item (string, integer, etc.) in future milestone
06	Initial list of functional requirements	High level functions you plan to develop	Okay. 14 <u>requirements</u> . Describe those functional requirements using "shall" in your sentences.
07	List of non-functional requirements	Performance, expected load, security requirements, storage, availability, fault tolerance	Not sure if you are using the ones provided in the instructions. Please align.
08	Competitive analysis	3-4 competitive products	Good.
09	High-level system architecture and technologies used	Itemized list of all main SW components	Good.
10	Team and roles	List student names	Good
11	Checklist	Answers to the items	Good. It's always better to include those details in a table

Milestone 2 Feedback:

T3 M2 Feedback**CEO/CTO Feedback**

Team Olympian Tracker, some key components were missing in this document. Please check feedback and incorporate them.

Instructor Feedback

Overall Objective of Milestone 2 [Need improvement, On track, Above Expectations]: Needs improvement

ID	Item	Criteria	Feedback
00	Expected size of this document	About 20-25 pages	Not Okay (8)
01	Functional Requirements - prioritized	Expand or repeat functional requirements from Milestone 1 into Milestone 2 w/ reference numbers (1- <i>must have</i> ; 2 – <i>desired</i> ; 3 – <i>opportunistic</i>)	Functional Requirements 18. Please categorize them into (1- <i>must have</i> ; 2 – <i>desired</i> ; 3 – <i>opportunistic</i>)
02	UI Mockups and Storyboards (high level only)	All major use cases from M1. Format is very flexible, recommend hand drawings	On Track. Good

02	UI Mockups and Storyboards (high level only)	All major use cases from M1. Format is very flexible, recommend hand drawings	On Track. Good
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,</i> APIs (if any), algorithm and SW tools	Good DB schema, but you should follow M2 document and draft it accordingly. Please answer all of them. (API's, Software Tools and Frameworks/changes)
04	High Level UML Diagrams	HL Class diagrams, and Component and deployment	Missed including deployment diagram
05	Key risks for your project at this time	Skills, schedule, technical, teamwork, legal/content	On Track
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	Missing!

Milestone 4 Feedback:

CEO/CTO M4 Feedback

Team Olympian Tracker, good effort. Your documentation missed some important parts for Executives and Investors (e.g. product exec summary and uniqueness) and correct usage of Lickert Scale.

Please check the feedback and focus on finalizing your product for release and finishing the corresponding documentation (M5).

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.

			On Track.
02	Document delivered (PDF)	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	<ul style="list-style-type: none"> The Summary is ok. But missing an executive summary. UT: Good effort. However, the usage of Likert Scale would better suite here. QA testing: Good. Code review is okay. Security best practices are okay. Non-functional Specifications (13): Good.

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.

CEO/CTO M4 Feedback

Team Olympian Tracker, good job. Please focus on finalizing your product for release and finishing the corresponding documentation (M5).

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.

			On Track.
02	Document delivered (PDF)	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	<ul style="list-style-type: none"> UT: Good QA testing: Good. Code review is okay. Security best practices are okay. Non-functional Specifications (13): Good.

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.

Section III: Screenshots of Final Product

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REGISTER WHO ARE WE? SEARCH ABOUT THE TEAM LOGIN TAB 5

Podium Scholars



We are Podium Scholars. We will give you the most updated athletic news on any student athletes, their universities, and updated maps.

Updated News

Using industry-approved API, you can retrieve the most updated map and the data.



New User Registration

Please Enter Registration Information Below

First Name <input type="text"/>
Last Name <input type="text"/>
Email <input type="text"/>
Username <input type="text"/>
Password <input type="password"/>
Confirm Password <input type="password"/>
<input type="button" value="Register"/>

Username Password

Search

Search by School | Select Sport | Sort by | Search

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REGISTER WHO ARE WE? SEARCH ABOUT THE TEAM LOGIN TAB 5

Search

CSU | Select Sport | Sort by | Search

CSU Bakersfield Location: Bakersfield, CA	CSU Channel Islands Location: Camarillo, CA	CSU Dominguez Hills Location: Carson, CA
CSU East Bay Location: Hayward, CA	CSU Fullerton Location: Fullerton, CA	CSU Long Beach Location: Long Beach, CA
CSU Los Angeles Location: Los Angeles, CA	CSU Maritime Academy Location: Vallejo, CA	CSU Monterey Bay Location: Seaside, CA
CSU Northridge	CSU Sacramento	CSU San Bernardino

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REGISTER TAB 5

CSU Dominguez Hills

[Write a Review](#)

Carson, CA

THIS IS A GREAT SCHOOL

28
5

Section IV: Screenshots of Key DB Tables

CSC648DB

Tables

- Athletes
- Guest
- Reviews
- Students
- University
- UniversityStaff
- Users

Views

Stored Procedures

Functions

Table: Athletes

Columns:	
<u>athlete_id</u>	int AI PK
<u>athlete_user_id</u>	int
<u>athlete_university</u>	varchar(45)
first_name	varchar(45)
last_name	varchar(45)
sport_played	varchar(45)
medal	varchar(45)
country	varchar(45)

Table: Reviews

Columns:	
<u>reviews_id</u>	int AI PK
<u>reviews_university_id</u>	int
<u>reviews_user_id</u>	int
review	text
rating	int

Table: University

Columns:	
<u>university_id</u>	int AI PK
name	varchar(45)
location	varchar(45)
sport	varchar(45)
medals	varchar(45)
notable_athletes	varchar(45)
academia_rating	varchar(45)
longitude	float
latitude	float

Table: Students

Columns:	
<u>student_id</u>	int AI PK
<u>student_university_id</u>	int
athletic_stats	varchar(255)
academic_stats	varchar(255)
<u>student_user_id</u>	int

Table: Users

Columns:	
<u>user_id</u>	int AI PK
user_type	varchar(45)
<u>user_email</u>	varchar(45)
password	varchar(45)
first_name	varchar(45)
last_name	varchar(45)
username	varchar(45)
created	timestamp
userbio	text

Table: UniversityStaff

Columns:	
<u>staff_id</u>	int AI PK
<u>university_staff_id</u>	int

University

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

univ...	name	location	sport	medals	notable_athletes	academia_rati...	longitude	latitude
1	CSU Bakersfield	Bakersfield, CA	Shot Put, Tennis, Long Jump, Gymnastics, 200	NULL	Roderick Green, Roderick Green	2	-119.019	35.3733
2	CSU Channel Islands	Camarillo, CA	Basketball, Swimming, Hammer Throw	NULL	NULL	5	-119.224	34.1575
3	Chico State	Chico, CA	Swimming, Curling, Fencing, Taekwondo, Decath	NULL	Michael Bruner	1	-100.131	19.3334
4	CSU Dominguez Hills	Carson, CA	4x100 Meters Relay, Baseball	NULL	Carmelita Jeter, Joe Ryan	3	-118.23	33.8582
5	CSU East Bay	Hayward, CA	Hammer Throw, Tennis, Fencing, Long Jump	NULL	Ed Burke	5	-85.5062	44.7006
6	Fresno State	Fresno, CA	Softball, Long Jump, Taekwondo, Gymnastics	NULL	Laura Berg	3	-109.651	31.362
7	CSU Fullerton	Fullerton, CA	1500 Meters, High Jump	NULL	Ed Caruthers, Leo Manzano	1	-117.924	33.8703
8	Cal Poly Humboldt	Arcata, CA	Basketball, 4x100 Meter Relay, Hammer Throw	NULL	NULL	2	-124.009	41.3729
9	CSU Long Beach	Long Beach, CA	400 Meters, Basketball, Diving, High Jump, Ro	NULL	Dwight Stones, Ed Ratliff, Joan an Blom, Pat	2	-118.181	33.7717
10	CSU Los Angeles	Los Angeles, CA	Taekwondo, Volleyball	NULL	Flo Hyman, Guillermo Pérez Sandova	1	-118.527	34.2409
11	CSU Maritime Acad...	Vallejo, CA	Rowing, Tennis, Curling, Gymnastics, Swimming	NULL	Kylie Mitchell-Smith	2	-122.23	38.0717
12	CSU Monterey Bay	Seaside, CA	Rowing, Softball, Taekwondo	NULL	NULL	5	-104.723	40.3815
13	CSU Northridge	Northridge, CA	4x100 Meter Relay, Curling, Fencing, Gymnasti	NULL	Alice Brown, Jeanette Bolden	5	-118.526	34.2409
14	Cal Poly Pomona	Pomona, CA	Shooting, Tennis, Curling, Gymnastics, Shot P	NULL	Kim Rhode	1	-117.821	34.0579
15	CSU Sacramento	Sacramento, CA	Discus, Tennis, Fencing, Gymnastics, Curling	NULL	John Powell	3	-121.479	38.5769
16	CSU San Bernardino	San Bernardino...	High Jump, Swimming, Shot Put	NULL	NULL	3	-117.294	34.1083
17	San Diego State Uni...	San Diego, CA	Decathlete, Long Jump, Tennis, Fencing, Gymna	NULL	Arnie Robinson, Leonel Suárez, Willie Steele	5	-117.072	32.7757
18	San Francisco State...	San Francisco...	100 Meters, Swimming	NULL	Anna Warner Cribbs, Jim Hines	5	-122.48	37.7241
19	San José State Univ...	San José, CA	200 Meters, 400 Meters, 400 Meters	NULL	John Carlos, Lee Evans, Ronnie Ray Smith,...	3	-121.881	37.3352
20	Cal Poly San Luis O...	San Luis Obisp...	Discus, Tennis, Fencing, Gymnastics, 400 Mete	NULL	Stephanie Brown Trafton	5	-120.662	35.3035
21	CSU San Marcos	San Marcos, CA	100 Meters, Shooting, Diving	NULL	NULL	4	-117.159	33.1288
22	CSU Sonoma	Rohnert Park, CA	Decathlete, Long Jump, 200 Meters	NULL	NULL	2	-122.458	38.2919
23	CSU Stanislaus	Turlock, Califor...	Discus, Taekwondo, Basketball	NULL	NULL	3	-120.855	37.5254

Athletes

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

athlete_id	athlete_us...	athlete_university	first_name	last_name	sport_played	medal	country
1	HULL	CSU Bakersfield	Roderick	Green	Shot Put	Bronze	USA
2	HULL	Chico State	Michael	Bruner	Swimming	Gold	USA
3	HULL	CSU Dominguez Hills	Carmelita	Jeter	4x100 Meters Relay	Gold	USA
4	HULL	CSU Dominguez Hills	Joe	Ryan	Baseball	Silver	USA
5	HULL	CSU East Bay	Ed	Burke	Hammer Throw	Bronze	USA
6	HULL	Fresno State	Laura	Berg	Softball	Gold	USA
7	HULL	CSU Fullerton	Ed	Caruthers	High Jump	Silver	USA
8	HULL	CSU Fullerton	Leo	Manzano	1500 Meters	Silver	USA
9	HULL	CSU Long Beach	Susie	Atwood	Swimming	Silver	USA
10	HULL	CSU Long Beach	Pat	McCormick	Diving	Gold	USA
11	HULL	CSU Long Beach	Joan	an Blom	Rowing	Silver	USA
12	HULL	CSU Long Beach	Ed	Ratliff	Basketball	Silver	USA
13	HULL	CSU Long Beach	Dwight	Stones	High Jump	Bronze	USA
14	HULL	CSU Long Beach	Steve	Lewis	400 Meters	Gold	USA
15	HULL	CSU Bakersfield	Roderick	Green	Shot Put	Bronze	USA
16	HULL	Cal Poly Pomona	Kim	Rhode	Shooting	Gold	USA
17	HULL	CSU Los Angeles	Flo	Hyman	Volleyball	Silver	USA
18	HULL	CSU Los Angeles	Guillermo	Pérez Sa...	Taekwondo	Gold	Mexico
19	HULL	CSU Maritime Acad...	Kylie	Mitchell-S...	Rowing	Silver	USA
20	HULL	CSU Northridge	Jeanette	Bolden	4x100 Meter Relay	Gold	USA
21	HULL	CSU Northridge	Alice	Brown	4x100 Meter Relay	Gold	USA
22	HULL	CSU Sacramento	John	Powell	Discus	Bronze	USA
23	HULL	San Diego State Uni...	Annie	Robinson	Long Jump	Bronze	USA
24	HULL	San Diego State Uni...	Willie	Steele	Long Jump	Gold	USA
25	HULL	San Diego State Uni...	Leonei	Suárez	Decathlete	Bronze	Cuba
26	HULL	San Francisco State...	Anne	Warner C...	Swimming	Gold	USA
27	HULL	San Francisco State...	Jim	Hines	100 Meters	Gold	USA
28	HULL	San José State Univ...	Lee	Evans	400 Meters	Gold	USA
29	HULL	San José State Univ...	Tommie	Smith	200 Meters	Gold	USA
30	HULL	San José State Univ...	John	Carlos	200 Meters	Bronze	USA
31	HULL	San José State Univ...	Ronnie	Ray Smith	4x100 Meters	Gold	USA
32	HULL	Cal Poly San Luis O...	Stephanie	Brown Tr...	Discus	Gold	USA

Users

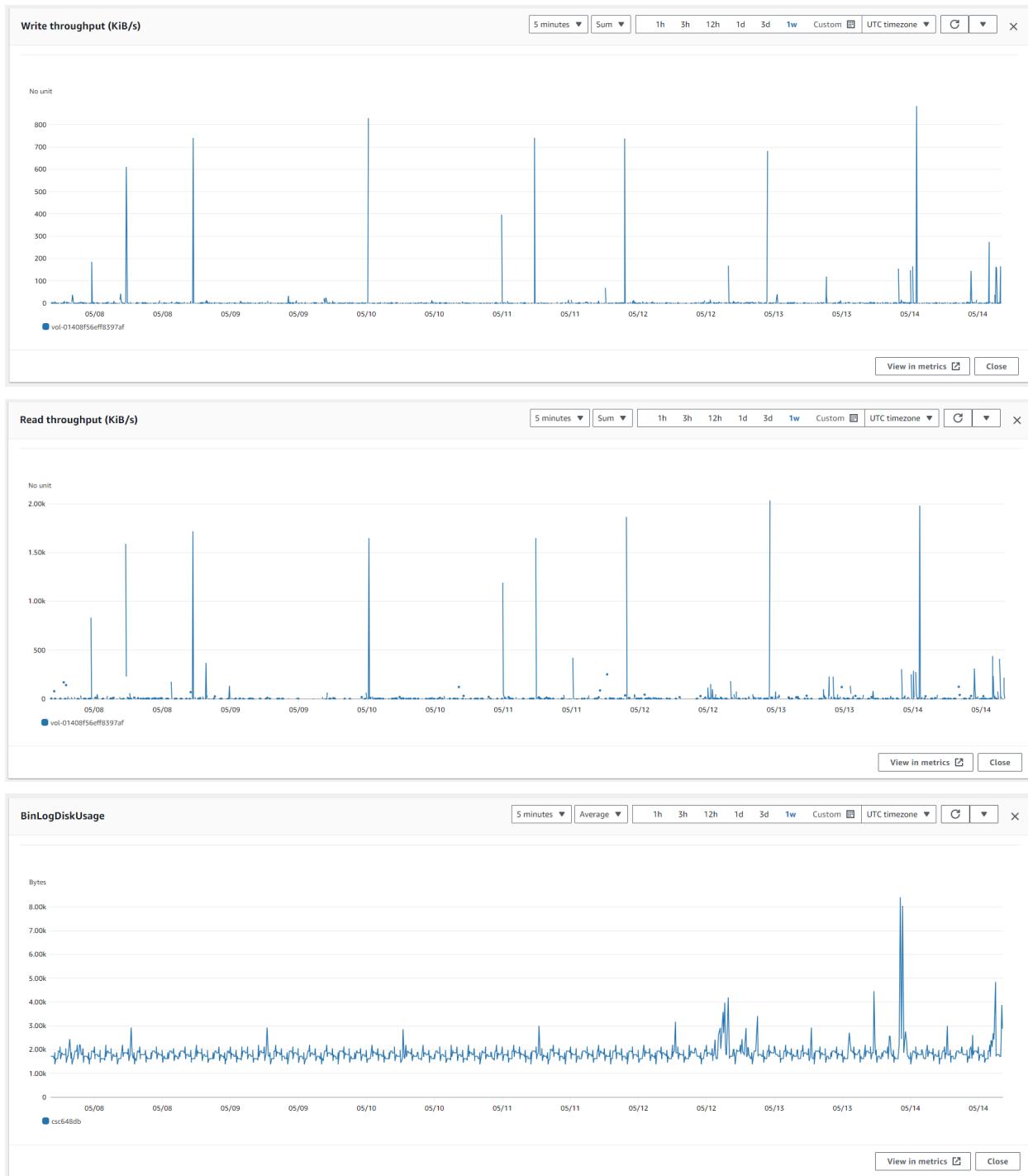
Create a new function in the active schema in the connected server

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

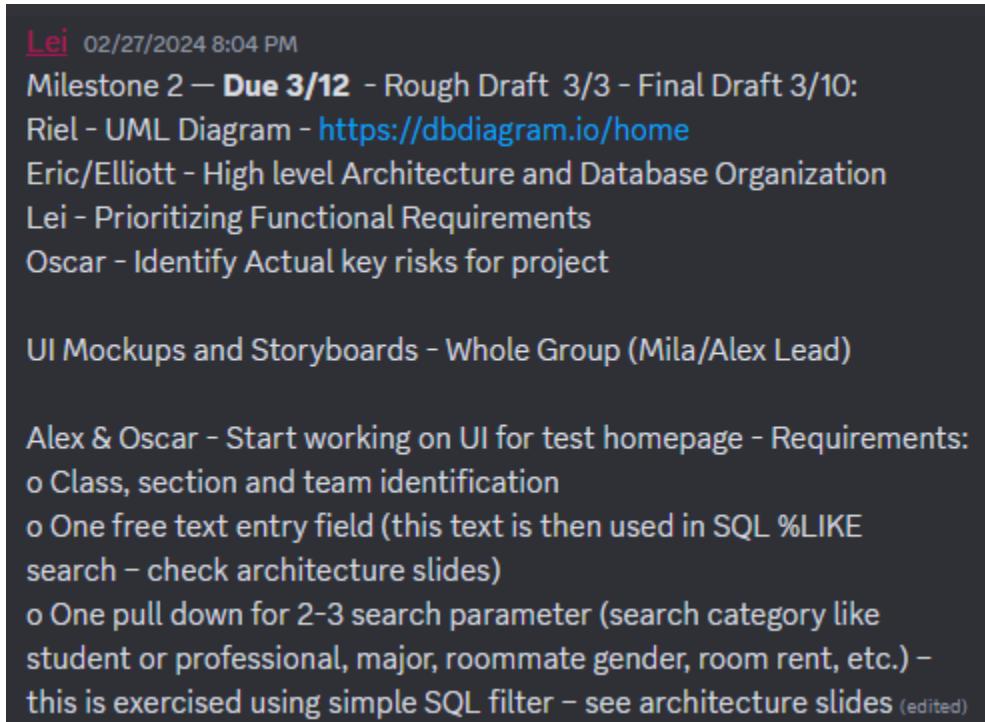
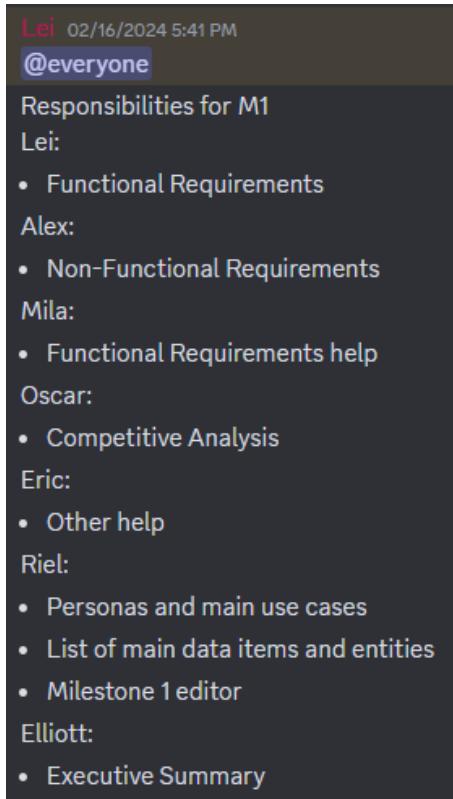
user_id	user_type	user_email	password	first_name	last_name	username	created	userbio
1	ABC	fakeemail@gmail.com	fakepass93	Eric	Kunzel	ekunz88	0000-00-00 00:00:00	NULL
3	[REDACTED]	[REDACTED]	\$2b\$15\$GuLFm8tLCAjJ/dnxrAQ.mwAUnr3P...			Leiwo94	2024-05-12 21:02:51	NULL
5		fakelei@gmail.com	\$2b\$15\$zkXkXrQE0kgJ1elzhvUPzT79xi8UF...			Leiwo	2024-05-12 21:08:22	NULL
8		fakelei2@gmail.com	\$2b\$15\$6nbB8tNtQKQnjoeaCPvnfNAyPKSj3I...			FakeLei1	2024-05-12 21:13:52	NULL
10		fakelei3@gmail.com	\$2b\$15\$ZUpWhRfD5LTEKoxaBHpObHMVe...			FakeLei2	2024-05-12 21:19:57	NULL
11		fakelei4@gmail.com	\$2b\$15\$sbJyQvN5cp55SOV7b.JueUNqAEY...			FakeLei4	2024-05-12 21:23:34	NULL
12		fakelei5@gmail.com	\$2b\$15\$0WmlFPvqgUhtE4v2T2]SOOHeJrtaw...			FakeLei5	2024-05-12 21:39:45	NULL
15		fakelei6@gmail.com	\$2b\$15\$D9yOpH3eTCQ9fVcuZoVVXG...			FakeLei7	2024-05-12 21:47:50	NULL
16		fakelei7@gmail.com	\$2b\$15\$CcmozKmpz1PeDys239umflJA608...			FakeLei7	2024-05-12 21:54:56	NULL
17		fakelei8@gmail.com	\$2b\$15\$GDBL8RIFgKY1JQt6zGBQg.VpZlPGA...			FakeLei8	2024-05-12 22:40:09	NULL
18		fakelei9@gmail.com	\$2b\$15\$EbkoIEsmJckxJtQa9OT79Y3C6...			FakeLei9	2024-05-12 22:40:40	NULL
19		fakelei10@gmail.com	\$2b\$15\$ZgEt1kS9/SFQKIKwoKb...YBLtAOldig...			FakeLei10	2024-05-12 22:42:48	NULL
20		fakelei11@gmail.com	\$2b\$15\$duBEz3y8WDT2G3XwbDPuOsNiMs...			FakeLei11	2024-05-12 22:45:00	NULL
22		fakelei12@gmail.com	\$2b\$15\$yvar7klewhNbWiiNJKxOsUzOrVzP...			FakeLei12	2024-05-12 22:47:25	NULL
24		fakelei13@gmail.com	\$2b\$15\$zd3Med/mzbDnHECDgysixerGk.ArJQ...			FakeLei13	2024-05-12 22:54:52	NULL
25		fakelei14@gmail.com	\$2b\$15\$YQzOIYnuE1GSZgRKgHeL4ZF/kD...	Lei	Woods	FakeLei14	2024-05-14 03:15:54	NULL
26		fakelei15@gmail.com	\$2b\$15\$5jOkpH9f485yhZ1pfyoOSp4srWou...	Lei	Woods	FakeLei15	2024-05-14 05:56:23	NULL
27		FakeLei16@gmail.com	\$2b\$15\$RCPv20ymwC50tMnOLugrnPuV3luxI...	Lei	Woods	FakeLei16	2024-05-14 06:10:02	NULL
28		erickunzel@gmail.com	\$2b\$15\$onz1f.B.FuoOJzq5NigOI/WvfCIhpBB...			Erock27	2024-05-14 17:30:29	NULL

Section V: Google Analytics Plot





Section VI: Screenshots of Task Management Systems



Lei 02/27/2024 8:17 PM

To Do:

- Test Result Page. Needs to display search results including images and later their thumbnails as well as profile videos (if implemented) in any reasonable layout (the goal here is to make sure you can access and display items and NOT the ultimate UI). Thumbnails need to be computed automatically using some open source thumbnail generation SW – you can do thumbnails later after you figure out the basic way to show image
- Sample DB Items
- If User hits search, but does not enter any parameters, search displays all items in DB.

Vertical SW Prototype Due 3/19

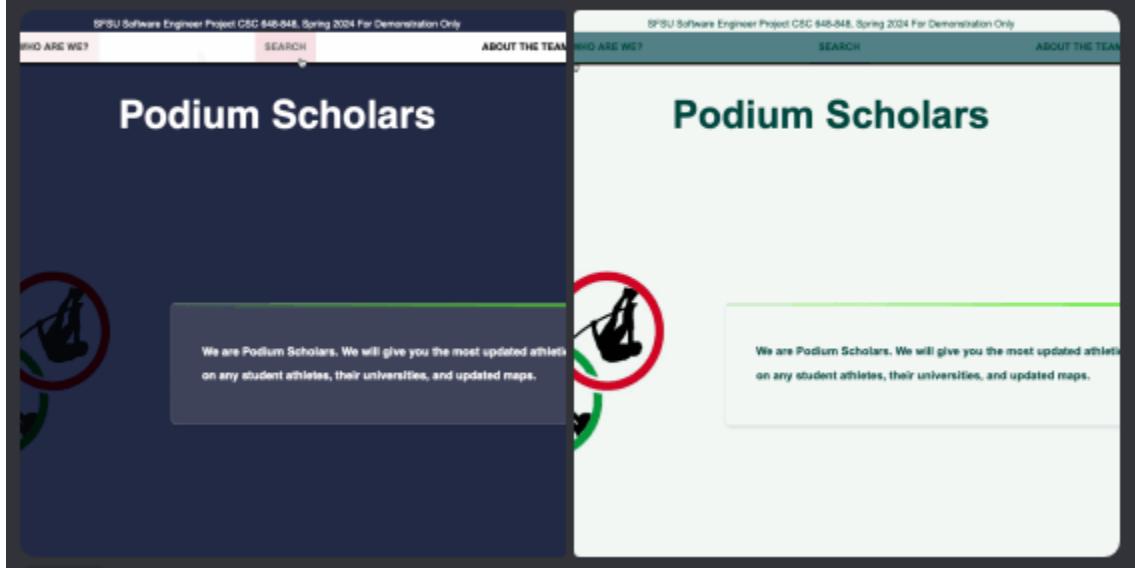
Lei 04/11/2024 5:54 PM

Instructor will check functionality and pages/use cases as below:

- **Home page** - Alex
- **Search (including search field validation)**
- **Search results** - Oscar
- *Filtering*
- Search Details and maps (if applicable)
- Messaging/contact seller/user (if applicable)
- **Data Upload** - Elliott
- dashboards (user, admin)
- *UI responsiveness (resize the browser)*
- Performance (e.g. display of results list)
- **Register and Login** - Mila/Lei (if support is needed)
- **Populate production DB** - Riel (edited)

Oscar G 05/08/2024 2:29 AM

Potential color schemes?



Section VII: Team Member Contributions

cc Chunyin Chan
To: Lei A Woods; Eric Conrad Kunzel; Riel Orque; Oscar Galvez; Elliott Maxwell Bullard; Mila Avagimova

Mon 5/13/2024 10:35 PM

Hello Team 3,

This is my general contribution to the project overall.

a.) As the frontend lead, I created the first skeleton webpage using html, C++, and JavaScript middleware to connect different services to the website. I also created the first visuals that include the homepage, the pages that directly link to each team member's page, the navbar, the search page with leaflet map API, the logo, and links to the login and the dashboard page. I have also worked with the team closely during every meeting to complete M1-M5.

b.) This is my number of contributions to the github team dev. branch:



Thanks,
Alex

EK Eric Conrad Kunzel
To: Riel Orque; Oscar Galvez; Chunyin Chan; Lei A Woods; Elliott Maxwell Bullard; Mila Avagimova

Tue 5/14/2024 4:31 PM



This is Eric Kunzel, I am backend developer for group 3. below listed are the contributions I made to our project-

1. initial creation of the server page and setup of routes
2. creation of the search algorithm using javascript and mysql2
 - also filters based on sport and a way to rank results based on alphabetical order or based on rating
3. modification of html pages in order to dynamically populate with results
4. script to dynamically populate reviews when a school is clicked from the search results
5. created review html page in order to leave a review
- 7.implemented reviews functionality
8. created login page
9. worked with Riel on database

 Lei A Woods
 To: Eric Conrad Kunzel; Chunyin Chan; Elliott Maxwell Bullard; Oscar Galvez; Riel Orque; Mila Avagimova


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Tue 5/14/2024 9:52 AM

Hello Everyone,

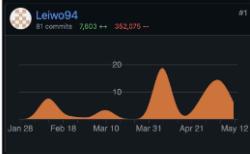
My name is Lei Woods and I am the team lead for this project. I have had one of the best team experiences here working with you all and really appreciate this experience, especially with Riel and Alex as my leads.

For this project I have done the major setup and maintenance for the github repository, the AWS server and the basic file structure for the project. I did the setup to ensure that the github repository and the server talk to each other and put checks in place to make sure we don't merge anything that will break the server. I implemented the register and login features on the website as well as approved all important PR's, handled project planning, worked on the majority of the milestone documentation, and just did a lot of work to make sure we were progressing each week.

In terms of teamwork, as the team lead, I have done my best to try and make sure everyone felt heard, was able to work on things that interested them and felt like they were contributing to the project. I wanted each one of you to take ownership in some part of this project and I feel that you all have and I hope you do too. I feel that everyone here has done their best to try and be part of the team and that even with some bumps along the way, we have come out with a strong product, which I feel speaks to the success of our team and the merging of all of our styles.

This kind of thing is not easy and I count that as a major success.

Here are my github contributions:



 Oscar Galvez
 To: Chunyin Chan; Lei A Woods; Eric Conrad Kunzel; Riel Orque; Elliott Maxwell Bullard; Mila Avagimova
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Tue 5/14/2024 1:50 PM

Good afternoon everyone,

Here's a recap of what I managed to accomplish alongside you all for our project.

- As a member of the frontend team, I created the search page and making some changes to the overall look to the website. This included UI/UX decisions such as implementing a new color scheme, improving the interactive components within our application (menu buttons, search term button, cursor changes, etc.) , and the design of the popup function to contain information pertaining to the school in focus.
- Continued the implementation of the leaflet map API with the help of Riel on backend to dynamically change the focus of the map to the school in focus.

I thank you all for the opportunity to work with you in building this application, this was a fantastic opportunity to learn and grow as a aspiring developer.

I wish you all the best in your future endeavors and look forward to seeing where your careers take you



Stay safe,
 Oscar
 [...]

 Elliott Maxwell Bullard
To: Lei A Woods; Eric Conrad Kunzel; Chunyin Chan; Oscar Galvez; Riel Orque; Mila Avagimova

Tue 5/14/2024 2:14 PM

Hey Team 3,

Here a list of my contributions to our project:

- As the Github Manager, I was handling the team's branch merging as new code was added to our codebase. Throughout the project I have been reviewing pull requests. This process include
- I have worked with the back-end development team to support their progress.
- Began implementation of media data storage in our database through the use of BLOBS. This feature has had hiccups and is not fully implemented at the time of release.



 Riel Orque
To: Oscar Galvez; Chunyin Chan; Lei A Woods; Eric Conrad Kunzel; Elliott Maxwell Bullard; Mila Avagimova

Tue 5/14/2024 2:32 PM

Hello team,

My contribution for this project was managing the database as well as provide help for the backend team(Eric and Elliot). Here's a recap of what I have done:

- Worked with Lei, Eric, Elliot, and Mila for the initial startup of the AWS Relational Database. Afterwards, I created two different schemas which were a test schema, for testing purposes and dummy data, and the production schema where all the data would be inserted.
- Created the tables and columns for what is needed in the project and also inserted the data for the specified attributes in the columns. Used various SQL statements and clauses to be able to insert, delete, and update the data or join tables that relate to each other. Also created SQL scripts to easily execute the statements.
- With the help of the front-end team, Alex and Oscar provided the coordinates for the University in a csv file which made it easy to update the tables. Met with Oscar to help with the backend implementation of the map feature.
- Met occasionally with Eric and Elliot to plan out what we want to work on and how Eric would like the database to setup for him to easily work on the search functionality. Worked with Elliot on the implementation of BLOBS which has a few issues.

GitHub SC:



Good luck everyone with the last two weeks.

Riel

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Mila did not send an email.

Section VIII: Post Analysis

This group project went relatively well! As a team lead, I did my best to keep my team members on track and make sure that we hit all our milestones, by keeping up with all the team member's responsibilities in text through the shared discord server. There were some communication problems with the group, dividing the front end and back end teams were somewhat difficult as the two teams didn't communicate as much as they could have, but over all there was a general cohesiveness between both teams as at least someone on both teams had experience in both front-end and back-end work, allowing for a smooth transition from front-end to back-end work as well as a relatively smooth connecting of the front-end and back-end. Unfortunately, no one on the team had much server work experience, so that was a learning curve for everyone and I, as team lead, had to take over getting the AWS server set up to work with all of the different aspects of our project. It was a little hard for the group to get momentum at the beginning, I think because the early milestones were mostly documentation and we had a very loose idea of what we wanted to do. Once there was more organization around the project specs, the group picked up speed and everyone was able to jump on board relatively quickly to get things going. As a team lead, I felt that I could have been more on top of the time management for the group. Unfortunately, I ran into some family issues that had my attention for a few weeks in the middle of the semester and my front and back-end leads had to take over for me while I handled my family problems. I would have liked to be able to facilitate better communication between the two teams and if I could go back and do this all over, I would have appointed someone for specific full-stack to aid in that communication between the teams. In terms of group cohesiveness, there were personality clashes as tend to be in every group, but we were all able to work together and get things to work.