Product Name: Academi-Slug

Team Name: Team Academi-Slug

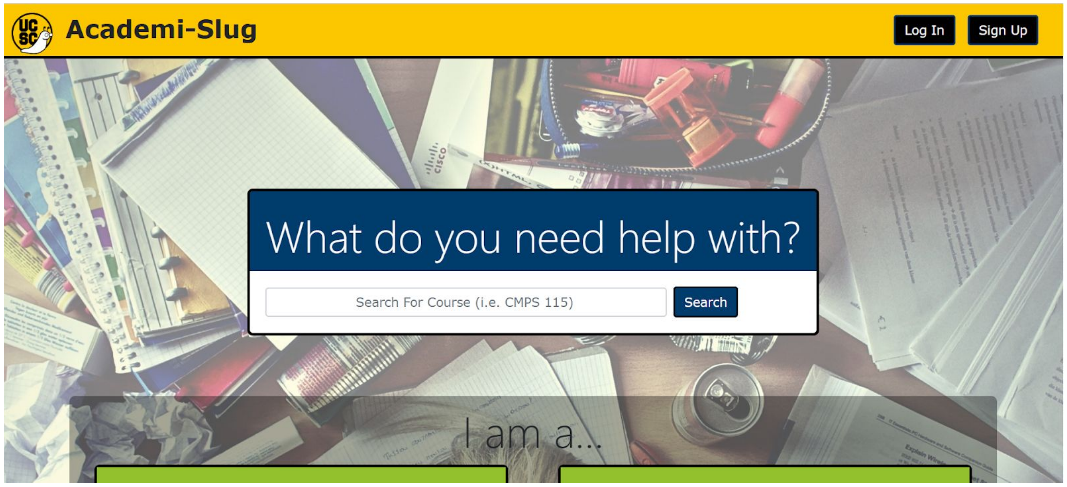
Date: November 26, 2018

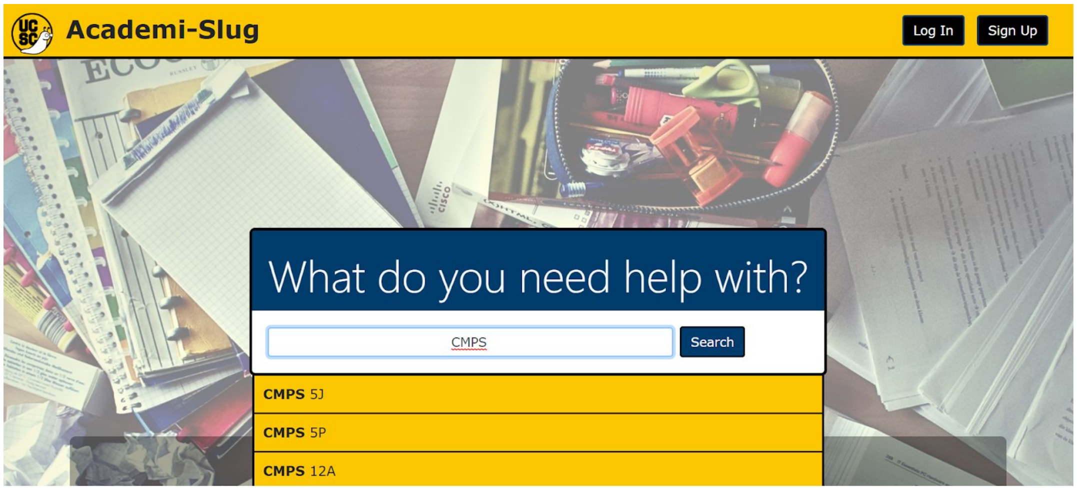
System and Unit Test Report

System Test Scenarios

Sprint 1:

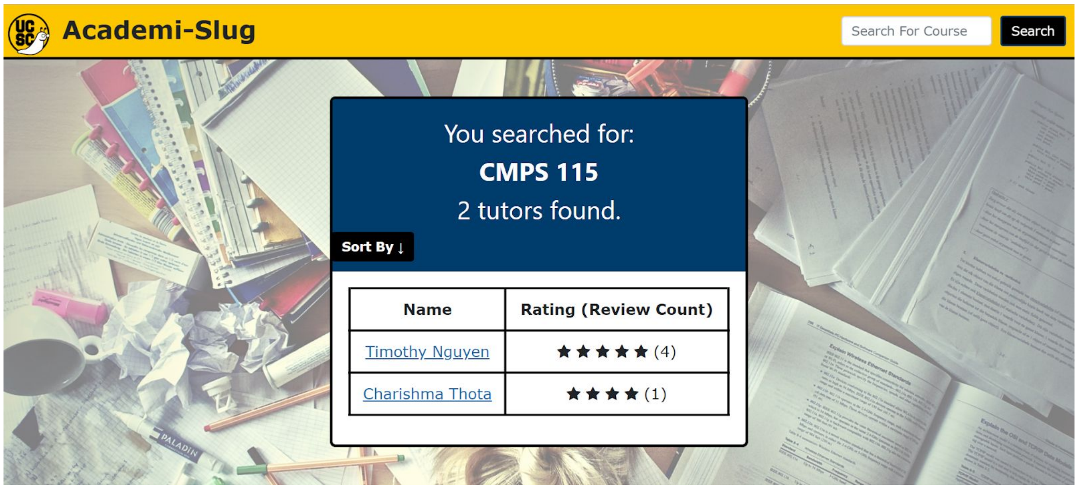
- User Story #0: As a developer, I want to learn Git to facilitate revision control systems.
  - Scenario:
    - On Windows, open PowerShell; on Mac, open Terminal
    - Type 'Git' into the command-line
    - Verify that Git is installed and that users are familiar with VCS.
- User Story #1: As a prospective tutee, I want to search for tutors within a certain class so that I can get the help that I need.
  - Scenario:
    - On homepage, view search bar and type 'CMPS 115'


Academi-Slug
Log In
Sign Up
What do you need help with?
Search For Course (i.e. CMPS 115)
Search
I am a...



What do you need help with?

- All tutors for CMPS 115 in Fall 2018 should appear;



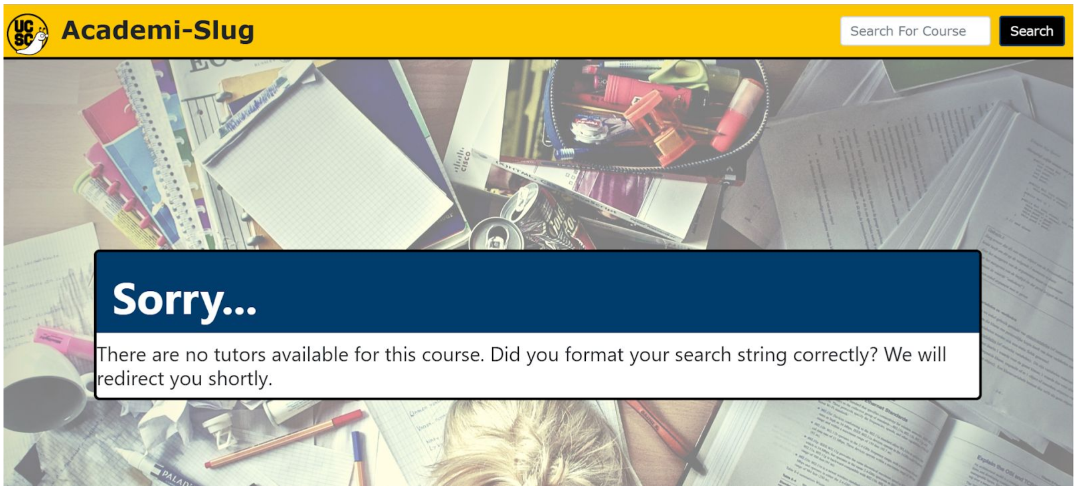
You searched for:

CMPS 115

2 tutors found.

Name	Rating (Review Count)
Timothy Nguyen	★★★★★ (4)
Charishma Thota	★★★★ (1)

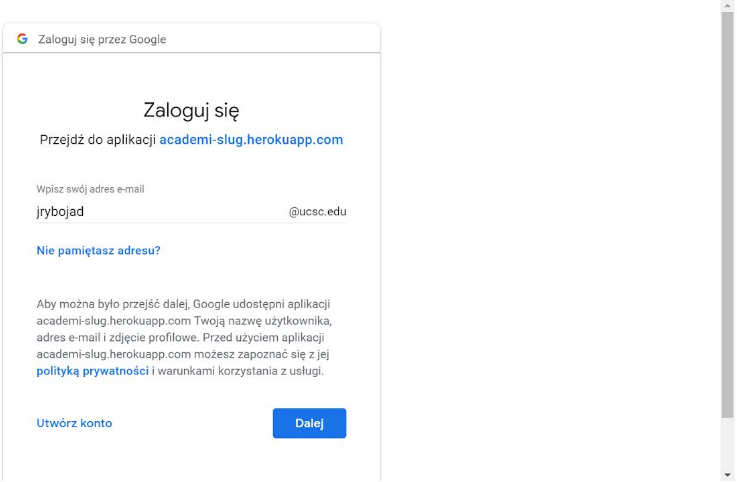
otherwise, website will route to error page, stating that no tutors are found ~ will then redirect back to the homepage.



Sorry...

There are no tutors available for this course. Did you format your search string correctly? We will redirect you shortly.

- User Story #2: As a user, I want to be able to create an account so that I can request/provide assistance.
    - Scenario:
        - Visit 'https://academi-slug.herokuapp.com' and select 'Sign Up'
        - Input Google credentials:
            - Google Email = <your_UCSC_Login>@ucsc.edu
            - Google Password = <UCSC_Blue_Passsword>



Zaloguj się przez Google

Zaloguj się

Przejdź do aplikacji academi-slug.herokuapp.com

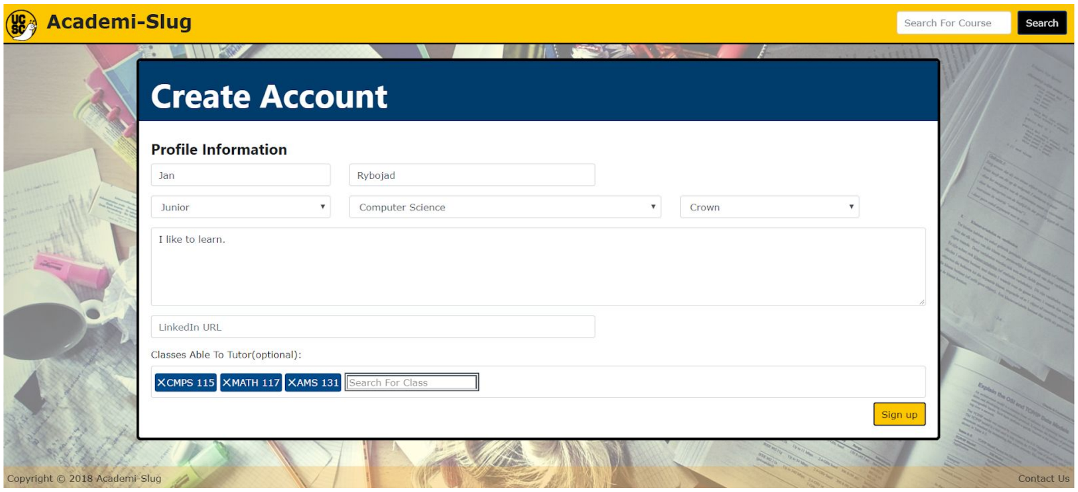
Wpisz swój adres e-mail

jrybojad @ucsc.edu

Nie pamiętasz adresu?

Aby można było przejść dalej, Google udostępni aplikacji academi-slug.herokuapp.com Twoją nazwę użytkownika, adres e-mail i zdjęcie profilowe. Przed użyciem aplikacji academi-slug.herokuapp.com możesz zapoznać się z jej polityką prywatności i warunkami korzystania z usługi.

        - Input profile information:
            - Year = 'Senior'
            - College = 'Cowell'
            - Major = 'Computer Science'
            - Bio = 'Slow and steady wins the race!'
            - LinkedIn URL (Optional)
            - Classes Tutoring = 'CMPS 115', 'AMS 131', 'MATH 117'
        - Click 'Create Account' ~ Account should be created.



Academi-Slug

Create Account

Profile Information

Jan

Rybojad

Junior

Computer Science

Crown

I like to learn.

LinkedIn URL

Classes Able To Tutor(optional):

ⅹCMPS 115 ⅹMATH 117 ⅹAMS 131

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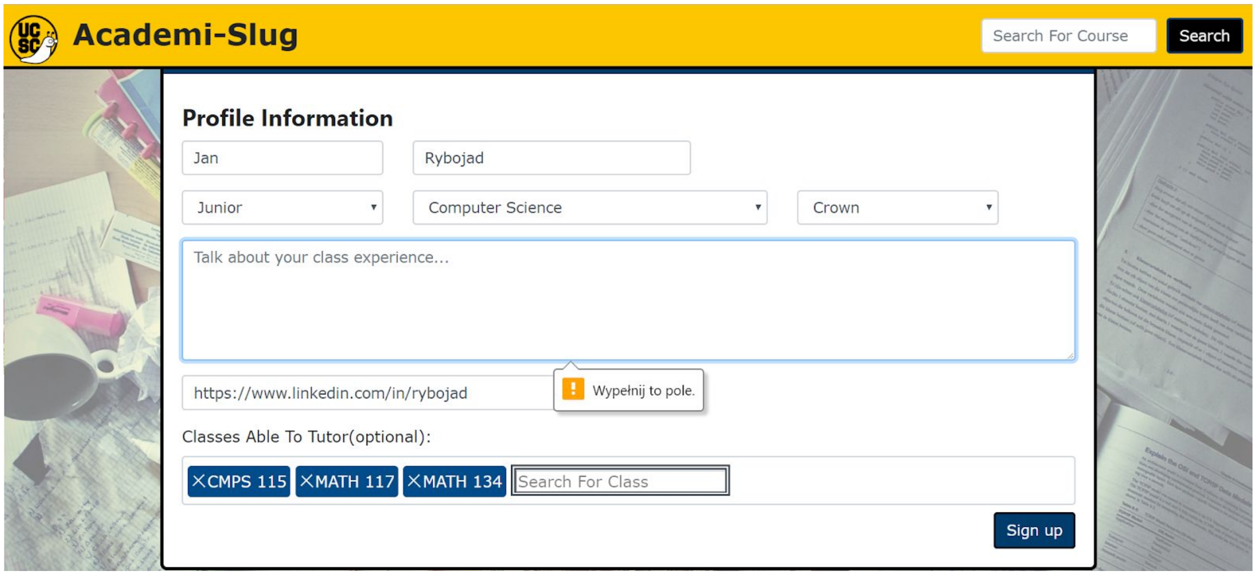
        - If the user fails to fill out all the fields, the website will not proceed and ask the user to fill the missing fields.



Profile Information

Jan

Rybojad

Junior

Computer Science

Crown

Talk about your class experience...

https://www.linkedin.com/in/rybojad

Wypełnij to pole.

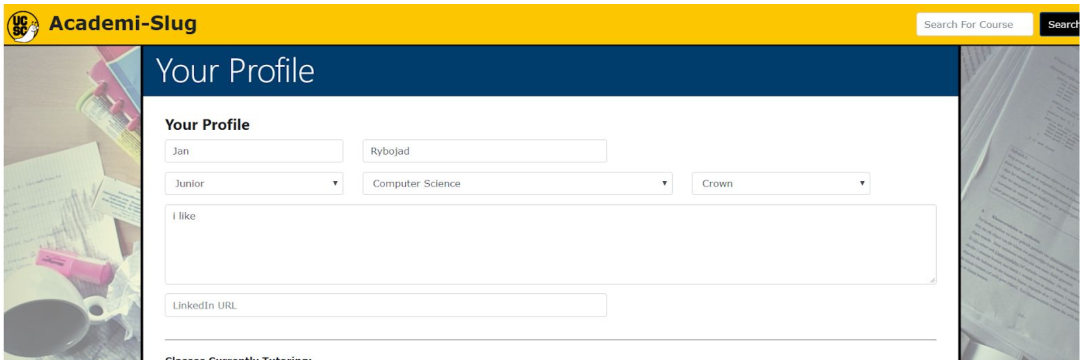
Classes Able To Tutor(optional):

✕CMPS 115 ✕MATH 117 ✕MATH 134 Search For Class

        - The user is then given an option to delete their account using ‘Delete Account’ button. Such action removes them from our database of users, and they will no longer be shown on the list of tutors offering to teach a particular course.

Sprint 2:

- <u>User Story #1</u>: As a tutor, I want to be able to see all the classes that I am allowed to teach and add it to my list, as well as remove them.
    - Scenario:
        - Log in or Sign Up using buttons provided in the navigation bar
        - Click on the Logo icon in the top-left corner to get to the main page, while logged.
        - Click on ‘Profile’ button in the right part of the top navigation bar.
        - You can add classes by typing in the bar under ‘Classes currently teaching’ and delete them using X mark by the class name.
        - After you have finished editing, click on ‘Update Profile’ button to save changes. That will redirect you to the main page.



Your Profile

Your Profile

Jan

Rybojad

Junior

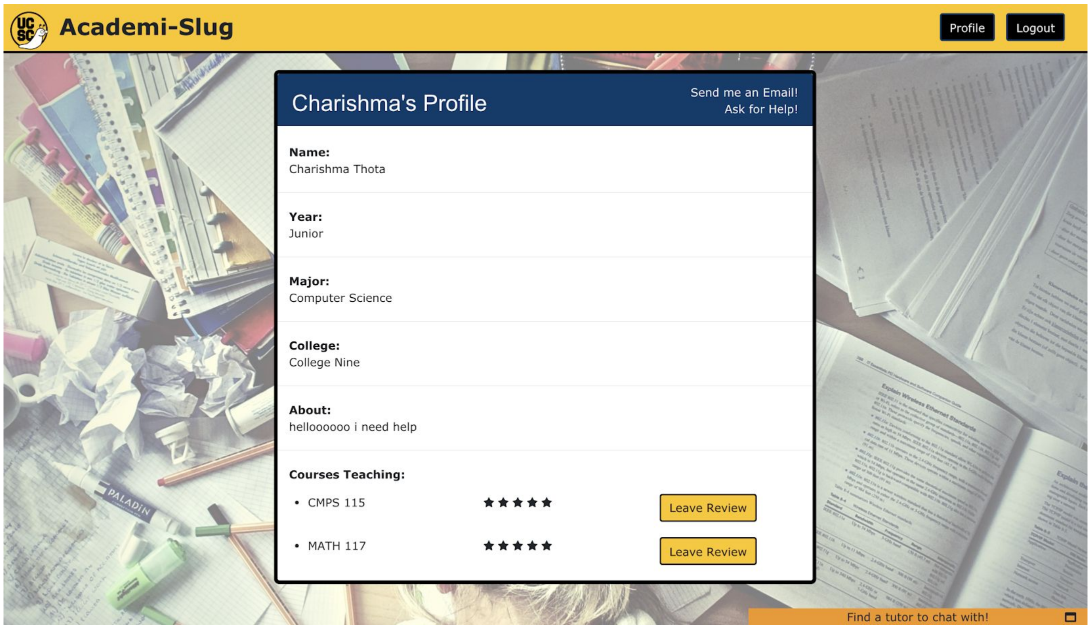
Computer Science

Crown

i like

LinkedIn URL

- <u>User Story #2</u>: As a tutee, I want to be able to leave reviews for my previous tutors so that I can inform others about prospective tutors.
    - Scenario:
        - Search up the class you were tutored for.
        - Click on the tutor's name.
        - Towards the end, there will be a "Leave A Review Button" that you can click on.



Charishma's Profile

Name:
Charishma Thota

Year:
Junior

Major:
Computer Science

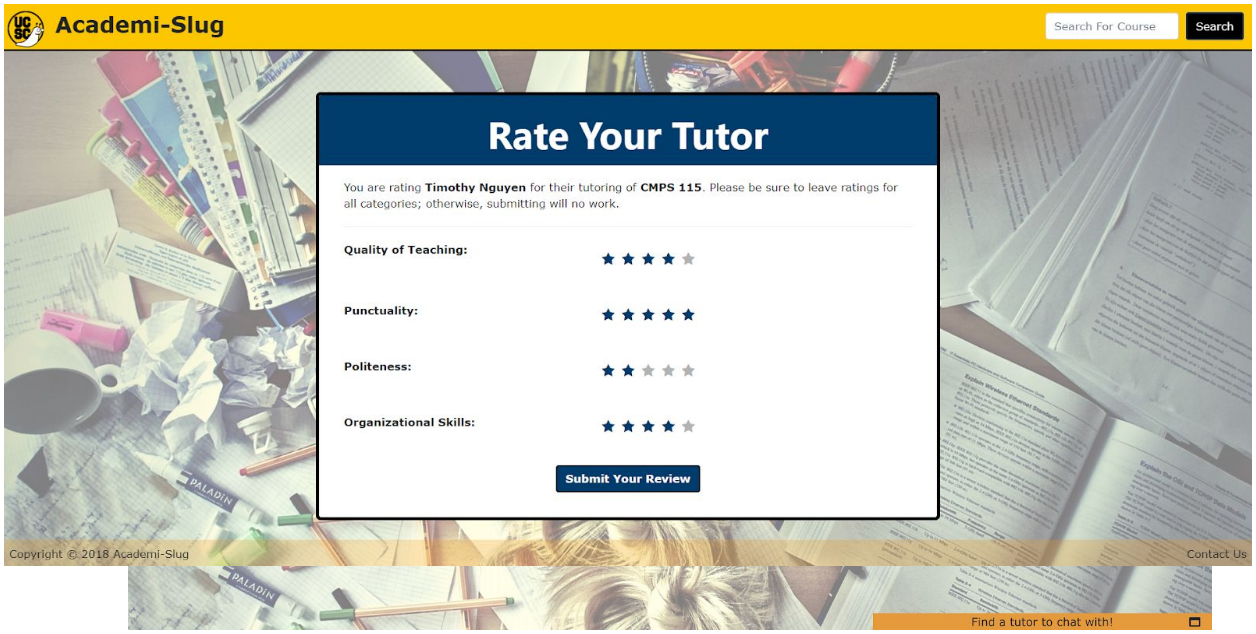
College:
College Nine

About:
hellooooooo i need help

Courses Teaching:
- CMPS 115 ★★★★★ Leave Review
- MATH 117 ★★★★★ Leave Review

        - This will prompt a page that allows you to rate the tutor out of 5 stars in categories like Quality of Teaching, Punctuality, Politeness, and Organizational Skills.
        - To leave review, you need to make a rating in each category. Only then will the 'Submit Your Review' button become active.

- <u>User Story #3:</u> As a tutee, I want to be able to view my tutors with the best rating at the top and least at the bottom
    - Scenario:
        - Search up the class you wish to be tutored in.
        - The page will output a list of available tutors for that course.
        - There will be a "Sort By" button that you can hover over to sort the tutors by Alphabetically, Ratings, and Review Count.



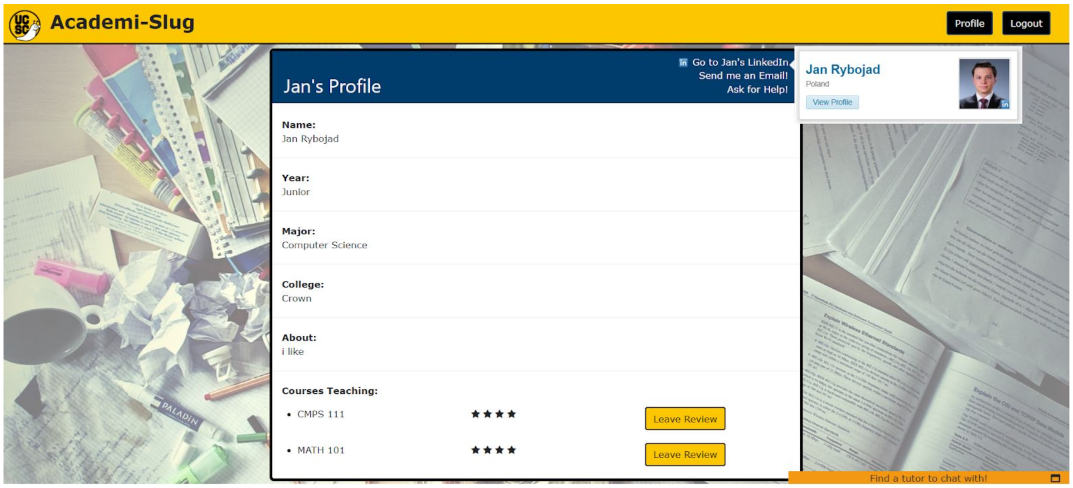
Rate Your Tutor

You are rating **Timothy Nguyen** for their tutoring of **CMPS 115**. Please be sure to leave ratings for all categories; otherwise, submitting will no work.

Quality of Teaching:	★★★★☆
Punctuality:	★★★★★
Politeness:	★★☆☆☆
Organizational Skills:	★★★★☆

Sprint 3:

- User Story #1: As a tutor, I want to be able to integrate my LinkedIn profile to display my skills.
    - Scenario:
        - Copy the URL to your LinkedIn profile.
        - If creating an account, paste your URL into the appropriate LinkedIn URL section.(see create account scenario above).
        - Otherwise, add the LinkedIn URL to your profile by clicking on the “Profile” button on the top-right of the navigation bar to update your profile.
        - When someone visits your profile page, hovering over the LinkedIn profile link will display a widget that will redirect to your LinkedIn profile. Otherwise, no link will be displayed.



Jan's Profile

Name:
Jan Rybojad

Year:
Junior

Major:
Computer Science

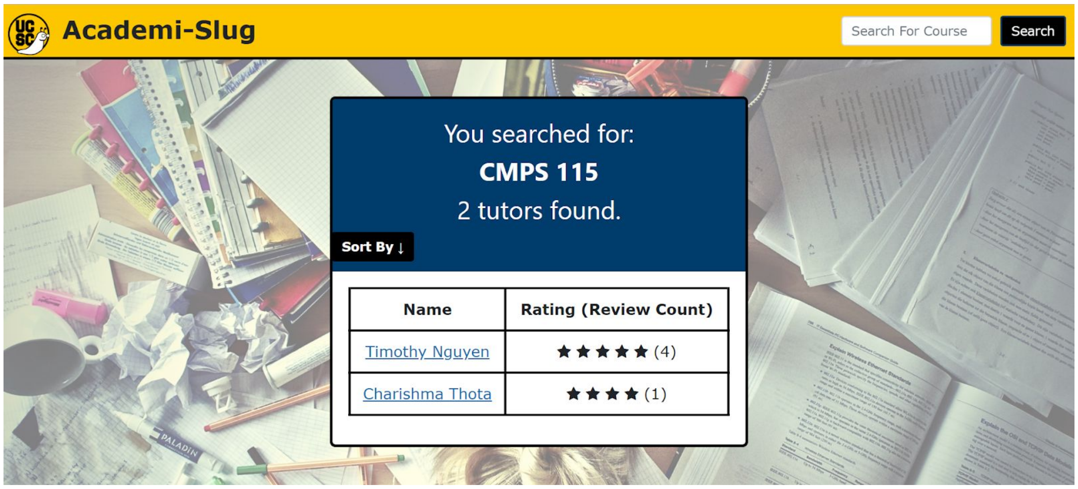
College:
Crown

About:
i like

Courses Teaching:

• CMPS 111	★★★★	Leave Review
• MATH 101	★★★★	Leave Review

- User Story #2: As a developer, I want to adhere to uniform coding standards to ensure that my teammates can understand my code.
    - Ask the user to reformat their code using the provided coding standards and/or the Beautify and ESLint extensions in Visual Studio Code.
- User Story #3: As a tutor, I want to be able to see all of the tutors available for a class when I search from them.
    - Scenario:
        - From the homepage, search for the desired UCSC course (i.e CMPS 115).
        - The results page will display a list of tutors available for that class; otherwise, an error page will be displayed and the user will be redirected.



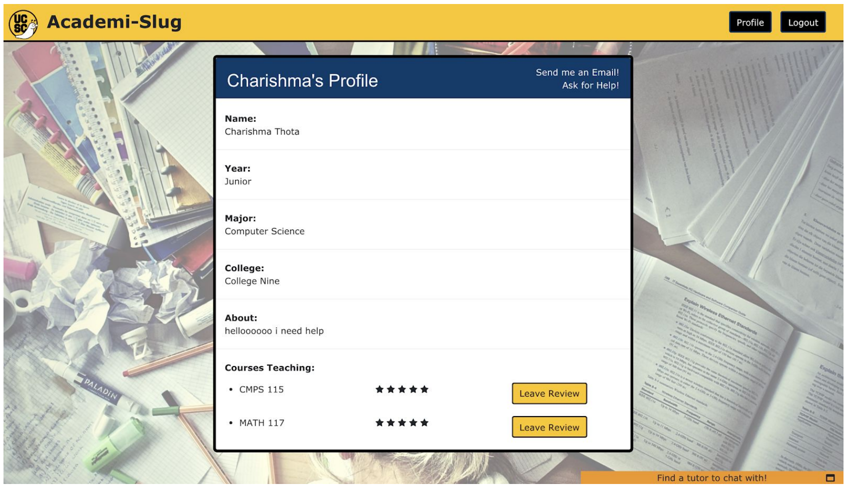
You searched for:

CMPS 115

2 tutors found.

Name	Rating (Review Count)
Timothy Nguyen	★★★★★ (4)
Charishma Thota	★★★★ (1)

- User Story #4: As a prospective tutee, I want to be able to click on a tutor's profile to see their information
    - Scenario:
        - After searching for a class and receiving the list of available tutors, click on a tutor's name to access their information.



Charishma's Profile

Name:
Charishma Thota

Year:
Junior

Major:
Computer Science

College:
College Nine

About:
hellooooo i need help

Courses Teaching:

- CMPS 115 ★★★★★
- MATH 117 ★★★★★

- User Story #5: As a developer, I want to rigorously test my applications with certain JavaScript to ensure that others cannot break my code.
    - From the `academi-slug/webApp`, use the command `npm install` to install Mocha.js and Chai.js. Then, use `npm run main-test` to run our automated unit tests. The unit tests themselves can be found in `academi-slug/tests`. All unit tests test our database and course parser functions.

Sprint 4:

- User Story #1: As a user, I want to be able to communicate with my tutor/tutee to collaborate when to meet up
    - Scenario:
        - Log in to your Academi-Slug account.
        - Search for the course that you need help in (e.g. ‘CMPS 115’).
        - Click on the name of the tutor you want to contact.
        - On the right-hand side of the tutor’s profile header, you can email the tutor by clicking ‘Send me an email!’. This will redirect to the user’s default mail client with the tutor’s email and user’s subject pre-filled.
        - You may also want to choose to directly chat to the tutor by clicking the ‘Ask for Help!’ link. Note that real-time chatting will only work when the tutor is also online.

Unit Test Descriptions

- In our GitHub repository, there is a file called ‘test.js’, which includes all the unit tests that we have developed using Mocha.js and Chai.js. Said unit tests test relative database and course parser functions and are automatically integrated using CircleCI. All relative JavaScript functions were tested both individually by the user upon creation and collectively using continuous integration.
- An outline of the specific unit tests that we ran is provided below:
    - save(): Saves a User Object to the database
    - findById(): Finds a User Object with an associated googleID

- delete(): Deletes a User Object with an associated googleID
- addUser(): Calls (thisUser.save()) to save a User object to the database
- findUser(): Calls findById(thisUser.googleID) to find a User object in the database
- deleteUser(): Calls delete(thisUser.googleID) to delete a User object from the database
- updateUser(): Updates a User Object with the associated update and the User Object
- addClass(): Adds Class in the database with the associated user
- deleteClass(): Deletes Class from the database with the associated user
- findClass(); Find a Class in the database with its associated tutors
- addReview(): Add Review for the associated User for the Users Classes
- addTutor(): adds a user(tutor) to the specified class
- deleteTutor(): deletes a user(tutor) from the specified class
- getClassID(): Get the id of the given class name. ex:CMPS 115
- isValidCourse(): Check to see if the given class is a valid course
- getClassName(): Gets class name by the given classID