Academi-Slug:
Final Release

**Rasika Kale, Tim Nguyen (PO),
Noel Gomez, Charishma Thota,
Sudeep Baniya, Jan Rybojad**

**Fall 2018
CMPS115**

Main Objective

- Purpose
  - Meet demand from students to find mentors for their academic needs
  - Allow one-on-one tutoring between tutor and tutee
  - Create platform where students can connect with tutors
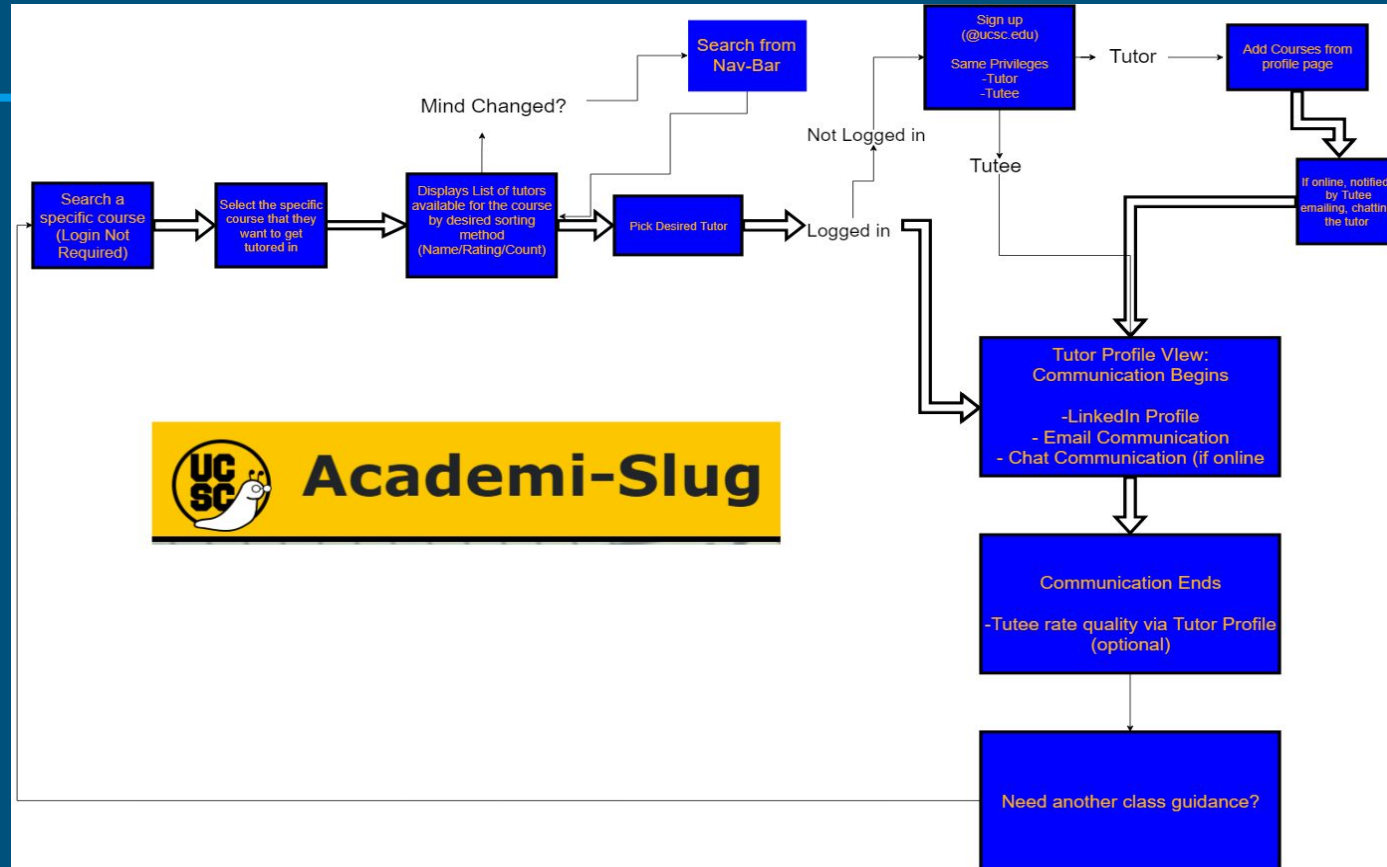
High-level Goals

- High-level Goals
  - Create platform and accounts for tutors/tutees
  - Create search engine for users to find tutors based on their desired class and preferences
    - Shows results based on user preferences
      - Tutor Rating, Alphabetically, Review Count
  - Establish communications via chat log to allow users to communicate
  - Establish a rating system to track service
  - Establish cross-integration with LinkedIn

Challenges & Accomplishments

- Integrating multiple project/software components
  - Example: database, user interface, message window
- Intra-team knowledge/expertise does not overlap
- Coordinating all project team members with regards to scheduling/implementation
- Being able to teach and learn from each other
- Testing JavaScript functions with Mocha.js and Chai.js difficult because of testing synchronization

System Overview & Design

Live Demo

Main Webpage

Create Account

Profile Information

Jan

Rybojad

Year ▾

Major ▾

College Affiliation ▾

Talk about your class experience...

LinkedIn URL

Classes Able To Tutor(optional):

Search For Class

Sign up

Search For Course | Search

Your Profile

Profile Information

Jan | Rybojad

Junior ▼ | Computer Science ▼ | Crown ▼

I like to learn.

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

Courses Currently Tutoring:

✕ MATH 117 | ✕ MATH 134 | ✕ CMPS 115 | Add Another Course

Update Profile

Delete Profile

Live Chat ▭

What do you need help with?

CMPS 101

Search

CMPS 101

I am a...

Tutor

- Create an account to let others know what classes

Student

- Search for classes that you need he

Live Chat

Search For Course

Search

You searched for:

CMPS 101

1 tutors found.

Sort By ↓

Name	Rating (Review Count)
Charishma Thota	★ ★ (3)

Live Chat

Charishma's Profile

Name:
Charishma Thota

Year:
Junior

Major:
Computer Science

College:
College Nine

About:
I dont need help, but i know others do so dont worry i am here

Courses Teaching:

- CMPS 115   ★ ★ ★ (14)   **Leave Review**

- CMPS 101   ★ ★ (3)   **Leave Review**

- CMPS 102   ★ (3)   **Leave Review**

- CMPS 112   N/A   **Leave Review**

Live Chat

Rate Your Tutor

You are rating **Charishma Thota** for their tutoring of **CMPS 101**. Please be sure to leave ratings for all categories; otherwise, submitting will not work.

Quality of Teaching: ★ ★ ★ ★ ★

Punctuality: ★ ★ ★ ★ ★

Politeness: ★ ★ ★ ★ ★

Organizational Skills: ★ ★ ★ ★ ★

Submit Your Review

Rate Your Tutor

You are rating **Charishma Thota** for their tutoring of **CMPS 101**. Please be sure to leave ratings for all categories; otherwise, submitting will not work.

Quality of Teaching: ★★☆☆☆

Punctuality: ★★★★★

Politeness: ★★☆☆☆

Organizational Skills: ★★★★☆

Submit Your Review

Charishma's Profile

Name:
Charishma Thota

Year:
Junior

Major:
Computer Science

College:
College Nine

About:
I dont need help, but i know others do so dont worry i am here

Courses Teaching:

- CMPS 115   ★ ★ ★ (14)   Leave Review

- CMPS 101   ★ ★ ★ (4)   Leave Review

- CMPS 102   ★ (3)   Leave Review

- CMPS 112   N/A   Leave Review

Live Chat

Charishma's Profile

Name:
Charishma Thota

Year:
Junior

Major:
Computer Science

College:
College Nine

About:
I dont need help, but i know others do so dont worry i am here

Courses Teaching:

- CMPS 115   ★ ★ ★ (14)   Leave Review

https://academi-slug.herokuapp.com/profile/logout

Live Chat

Log In   Sign Up

Charishma's Profile

Name:
Charishma Thota

Year:
Junior

Major:
Computer Science

College:
College Nine

About:
I dont need help, but i know others do so dont worry i am here

Courses Teaching:

- CMPS 115   ★ ★ ★ (14)   Leave Review

- CMPS 101   ★ ★ ★ (4)   Leave Review

- CMPS 102   ★ (3)   Leave Review

- CMPS 112   **N/A**   Leave Review

Academi-Slug

What do you need help with?

Search For Course (i.e. CMPS 115)

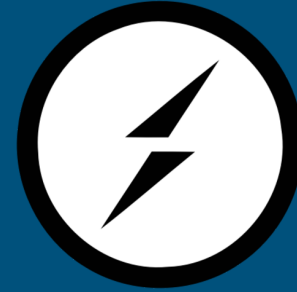Search

Software-Oriented Technologies

- Front-end
    - HTML/CSS
    - Javascript
- Back-end
    - Node.js w/ Express.js
    - MongoDB w/ Mongoose.js
    - OAuth 2.0 w/ Passport.js
    - Socket.io
- Unit Test Framework & Assertion Library
    - Mocha.js
    - Chai.js

Developer-Oriented Technologies

- Scrum Management Tools
  - Trello
  - Slack
  - Google Drive
- Version control
  - GitHub
- Continuous Integration
  - CircleCI
- Code Standardization
  - Beautify.js
  - ESLint

Project Management Techniques

- Scrum Agile Methodology
  - Daily Scrum Meeting
  - Scrum Board + Burn-up Chart
  - Sprint Plans and Reports
- Avoid Flaccid Scrum w/ Engineering Practices
  - Continuous Integration
  - Version Control
  - Code Standardization and Review

Backlog

+ Add a card

In Progress

+ Add a card

Review

Review all current files to ensure they meet regulation standards

T

DEBUG

🔔 3 👁

CT JR NG 👤 SB T

Use Mocha.js and Chai.js to test functions and confirm that they operate properly

👤 SB

+ Add another card

Complete

Complete Main-Objective and high-Level goals slide

Update Scrum Chart

Complete System and Unit Test Guide

Direct python UCSC API results into a List Data

SB

Sorting Function for Displaying tutor results

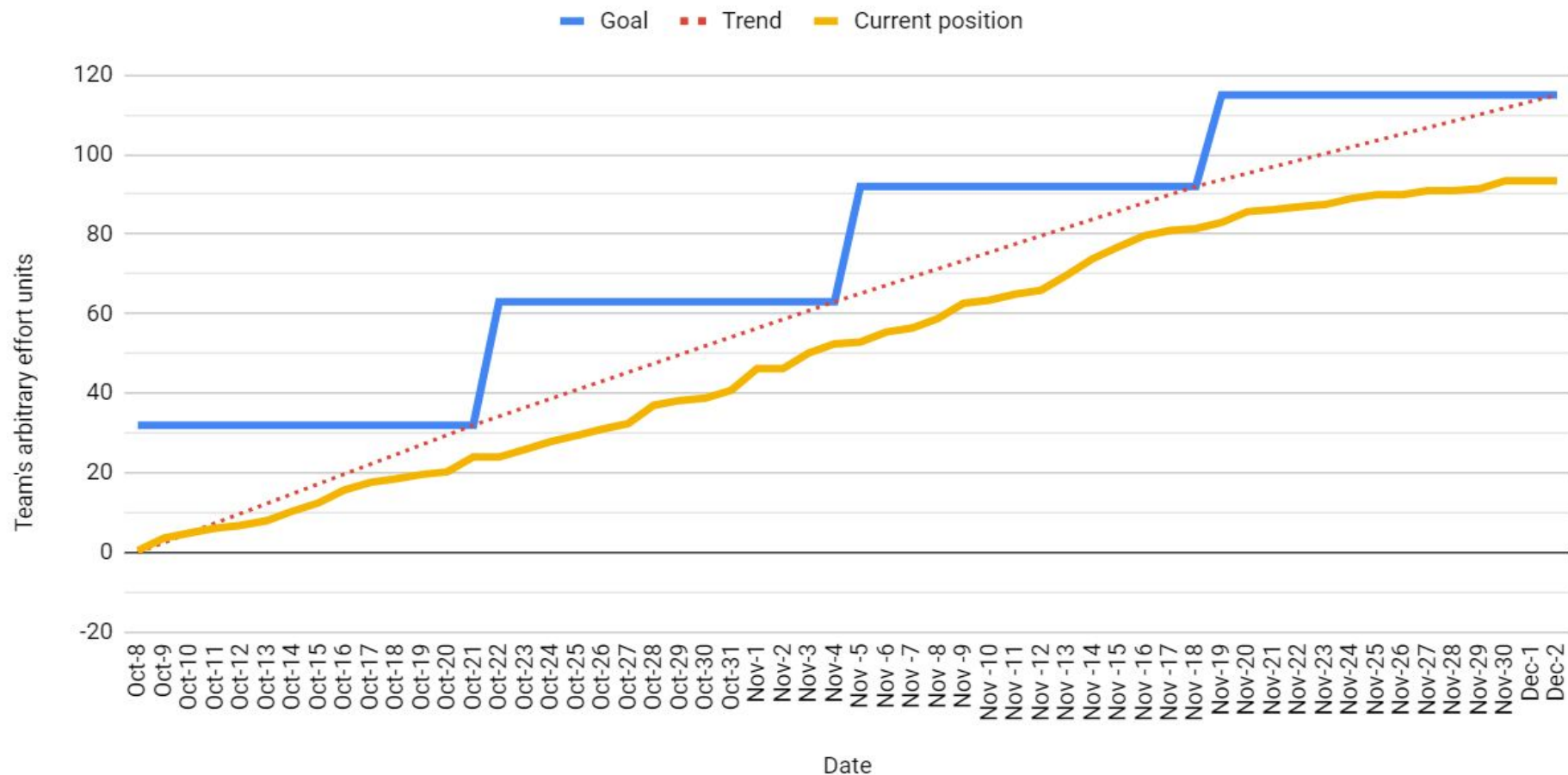🔔 2 👁 ⏱ Nov 4

CT

Learn Visual Studio extensions for code review

T

Connect plugin to URL using Express.js

JR

+ Add another card

Burn-Up Chart for Sprint 1, 2, 3, 4

━━ Goal   ▪ ▪ Trend   ━━ Current position

Team's arbitrary effort units

120

100

80

60

40

20

0

-20

Oct-8 Oct-9 Oct-10 Oct-11 Oct-12 Oct-13 Oct-14 Oct-15 Oct-16 Oct-17 Oct-18 Oct-19 Oct-20 Oct-21 Oct-22 Oct-23 Oct-24 Oct-25 Oct-26 Oct-27 Oct-28 Oct-29 Oct-30 Oct-31 Nov-1 Nov-2 Nov-3 Nov-4 Nov-5 Nov-6 Nov-7 Nov-8 Nov-9 Nov-10 Nov-11 Nov-12 Nov-13 Nov-14 Nov-15 Nov-16 Nov-17 Nov-18 Nov-19 Nov-20 Nov-21 Nov-22 Nov-23 Nov-24 Nov-25 Nov-26 Nov-27 Nov-28 Nov-29 Nov-30 Dec-1 Dec-2

Date

Entertaining Enlightenments

- Appreciated:
  - Learning new web development technologies and project management techniques applicable within the industry
  - Identifying developer faults and maturing as a team
- Resented:
  - Having little time to learn/understand underlying technologies (Up-Front Design, Waterman)
  - Having to refactor agile processes throughout quarter

Lessons Learned

- Succeeded:
  - Coordinating weekly meetings to collaborate collectively
  - Using standardization to facilitate understanding and learning
- Failed:
  - Lack of proper version control framework
  - Assignment of user stories/tasks independently, rather than collectively
- Desired:
  - Wished to have known about agile prior to refactorization
  - Wished to have prior web development experience to allocate tasks effectively