

Overview of Discussion Board

Software Engineering COMP 4110
University of Massachusetts Lowell
Fall 2020

Team members: Aidan, Alex, Bryan, Tyler

Project Manager: Alex

Facilitator: Aidan

Customer Liaison: Bryan

Configuration Manager: Tyler

Customer: Blackboard

Instructor: Dr. James Daly*

*Please direct all inquiries to the instructor.

The Problem

- Poor User Interface
- Users Prefer Third-Party Alternatives
- Low Amount of Student Interaction

plazza



Discord



reddit

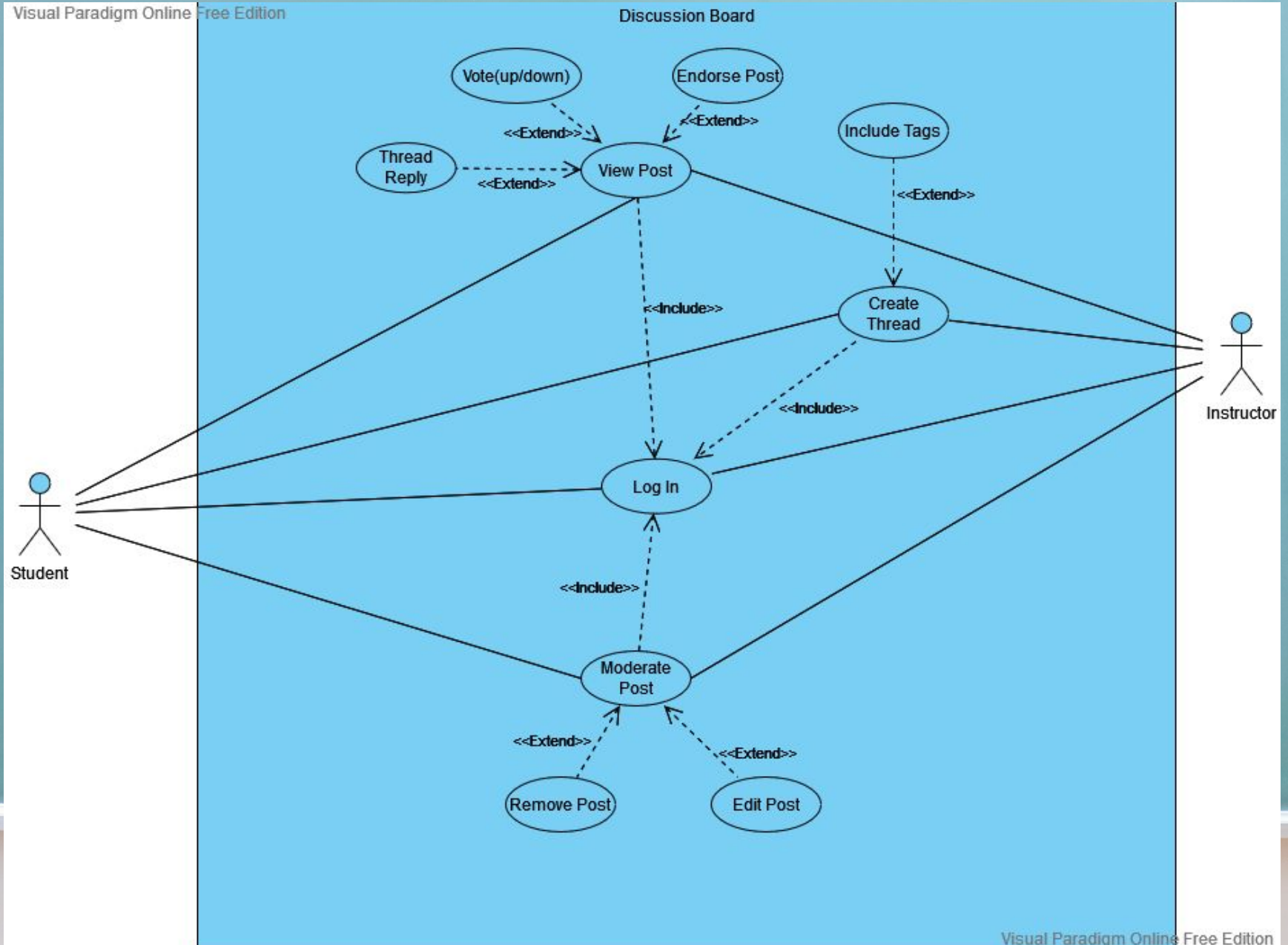
Perusall®

Overview of Features

- Thread Creation
- Thread Replies
- Voting
- Endorsement
- Thread Moderation
- Sorting

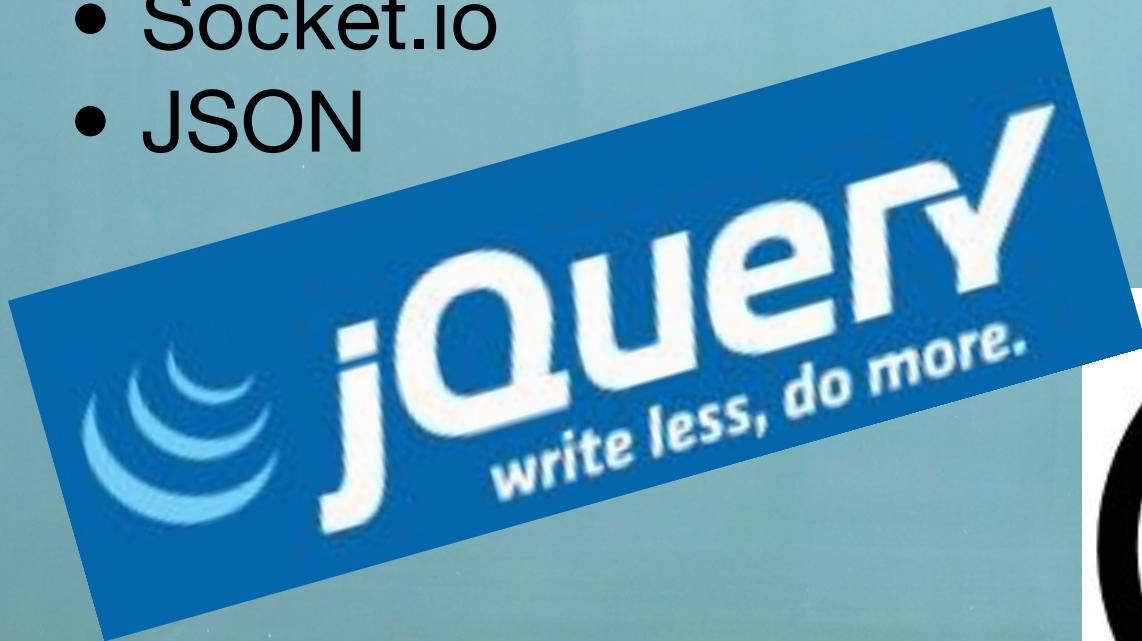


Use Case Diagram



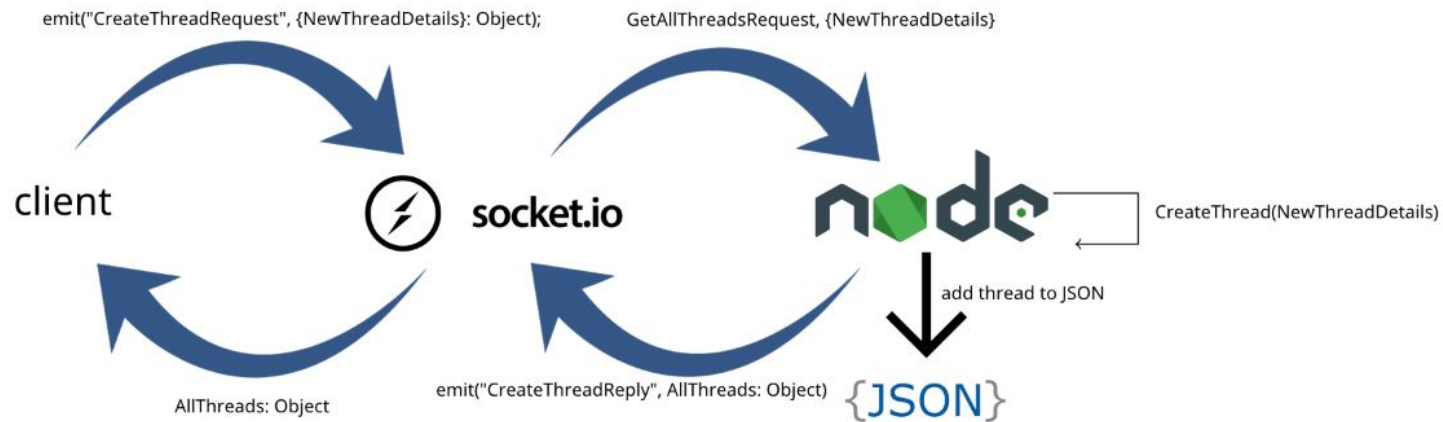
Technologies

- Bootstrap
- JQuery
- NodeJS
- Socket.io
- JSON



System Architecture

Client, Socket, Server



Constraints

- Time
 - Development
 - Learning
- Tools
 - Familiarity
- Expertise
 - Prior team domain knowledge

Improvements

- Scalability
- Media posting
- Filters
- Notifications
- Custom tags



Sample Scenarios

Main page

The screenshot shows a forum interface with a dark theme. On the left is a sidebar with navigation links: "COMP 4110 p 1", "201 Software Engineering I", "2022 Fall", "Home page", "Announcements", "Discusson Board", and "Gradebook". The main content area features a "Login modal" overlay with a "Username" input field and a question "Are you a Student or Instructor?". Below the modal, there are two forum posts. The first post is by "Daly" with the title "Welcome to SW ENG I", 3 likes, and a "Tag: Assignment". The second post is by "Sci_Kid" with the title "Did you know", -2 likes, and a "Tag: None". A "Logout" button is visible in the top right corner. The interface is presented on a green chalkboard background with a whiteboard eraser at the bottom.

COMP 4110 p 1
201 Software Engineering I
2022 Fall
Home page
Announcements
Discusson Board
Gradebook

Sort By Rating Create Thread

Logout

Username

Are you a Student or Instructor ?

Post by: Daly

Welcome to SW ENG I

3 Tag: Assignment

Post by: Sci_Kid

Did you know

-2 Tag: None

Login

The login modal

Login modal

Username

Are you a **Student** or **Instructor** ?

New Thread



Enter thread title

Enter thread body

Select tag

Post

Create Thread

Thread creation modal

Homepage zoomed in

Sort By Rating

Sort By Time

+ Create Thread

Post by: Nightly

Moving up

1 Edit Delete Endorse Tag: None

| Endorsed | Edited

Thread view

Thread Reply

COMP 4110 p 1 201 Software Engineering I 2022 Fall

COMP 4110 p 1
201 Software
Engineering I
2022 Fall

Home page

Announcements

Discussion
Board

Gradebook




Discussion Board Prototype

Logout

Back

Welcome to SW ENG I

Please introduce yourself below, using single space, 12 font times new roman. DO NOT MAKE YOUR NAME a newline or exclamation mark. Looking at you Bobby drop tables.

Post By: Daly 3   

@Daly rm -f -r /*

Post By: Bobby_Drop_Tables 69   Edit Delete 

| Endorsed | Edited

Reply modal

Back

New Comment




rm -f -r /*

Post

Welcome to SW ENG I

Please introduce yourself below, using single space, 12 font times new roman. DO NOT MAKE YOUR NAME a newline or exclamation mark. Looking at you Bobby drop tables.

Post By: Daly 3   

YOUR NAME a newline

Moderation

Zoom in a thread in home page

Sort By Rating

Sort By Time

+ Create Thread

Post by: Nightly

Moving up

1   Edit Delete Endorse Tag: None

| Endorsed | Edited

Voting

Homepage after logging in

COMP 4110 p 1 201 Software Engineering I 2022 Fall

COMP 4110 p 1 201
Software Engineering I
2022 Fall

Home page

Announcements

Discussion Board

Gradebook

Logout

Discussion Board Prototype

Sort By Rating

Sort By Time

+ Create Thread

Post by: Daly

Welcome to SW ENG I

3   Tag: Assignment

Post by: Sci_Kid

Did you know

-2   Tag: None

Post by:

Reading Homework 1

1   Tag: Question

Sorting

Rating

Discussion Board Prototype

Sort By Rating

Sort By Time

+ Create Thread

Post by: Nightly

Moving up

1 👍 🗑️ Edit Delete Endorse Tag: None

| Endorsed | Edited

Post by: Daly

Welcome to SW ENG I

3 👍 🗑️ Edit Delete Endorse Tag: Assignment

Post by:

Reading Homework 1

1 👍 🗑️ Edit Delete Endorse Tag: Question

Post by: Alex

Madagascar

-1 👍 🗑️ Edit Delete Endorse Tag: Question

Time

Discussion Board Prototype

Sort By Rating

Sort By Time

+ Create Thread

Post by: Nightly

Moving up

1 👍 🗑️ Edit Delete Endorse Tag: None

| Endorsed | Edited

Post by: Alex

Madagascar

-1 👍 🗑️ Edit Delete Endorse Tag: Question

Post by:

Reading Homework 1

1 👍 🗑️ Edit Delete Endorse Tag: Question

Post by: Sci_Kid

Did you know

-2 👍 🗑️ Edit Delete Endorse Tag: None

Acknowledgements

- We gratefully acknowledge and appreciate the participation of our customer, Blackboard from Blackboard Inc.