# 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

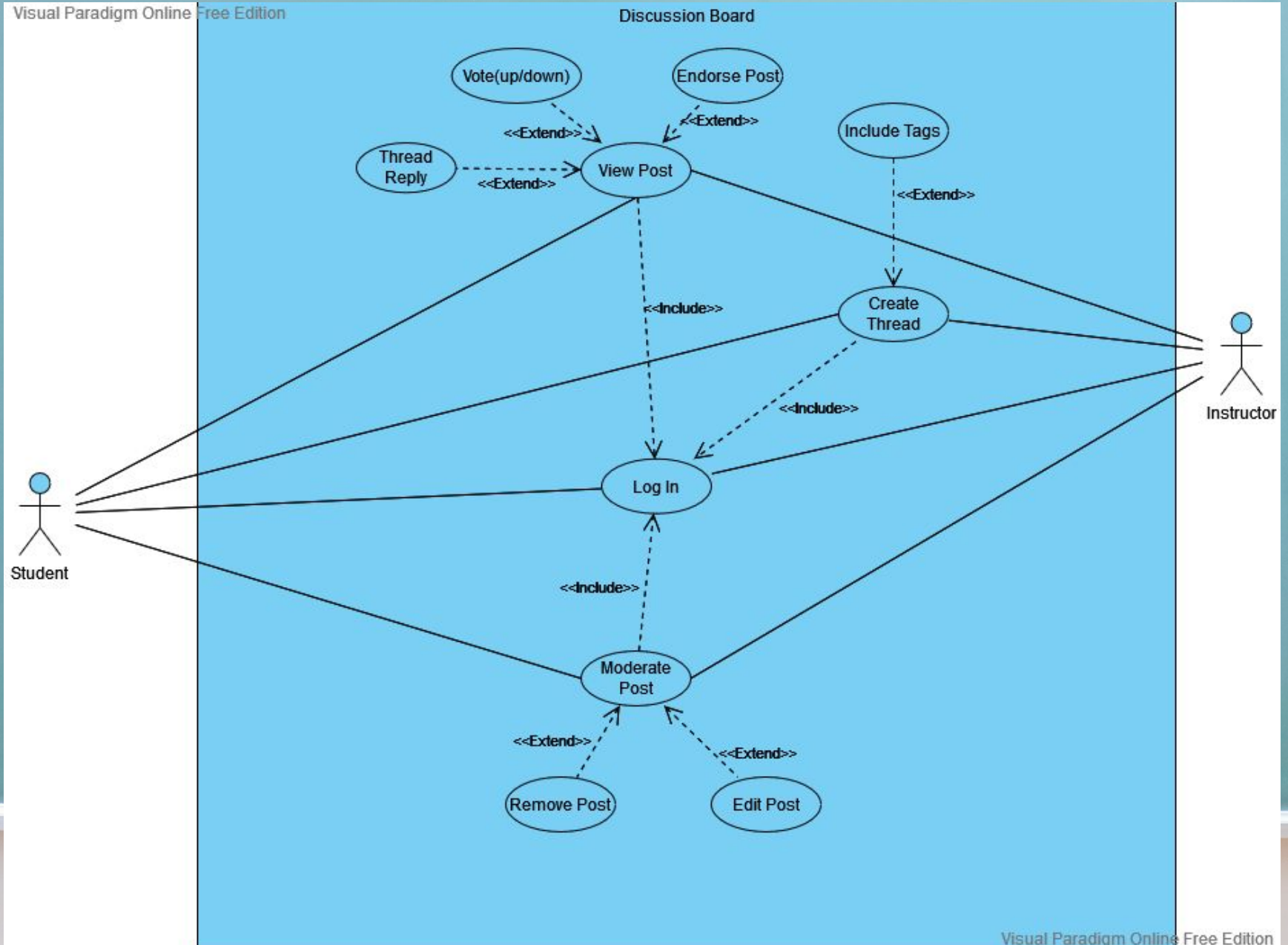- Users Prefer Third-Party Alternatives

- Low Amount of Student Interaction

# Overview of Features

- Thread Creation
- Thread Replies
- Voting
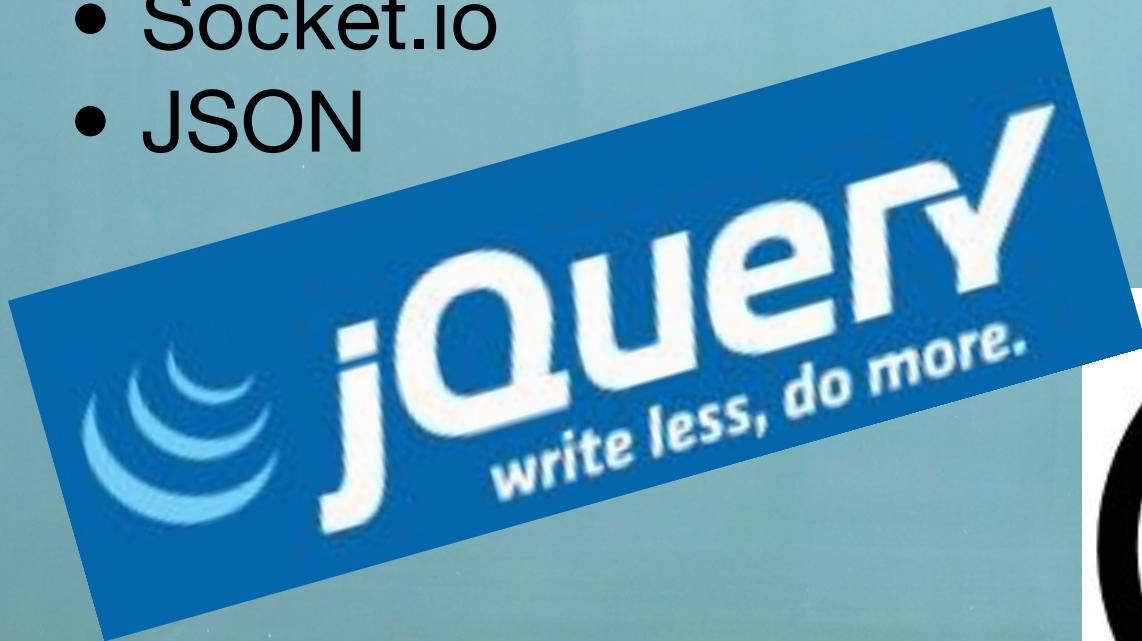- Endorsement
- Thread Moderation
- Sorting
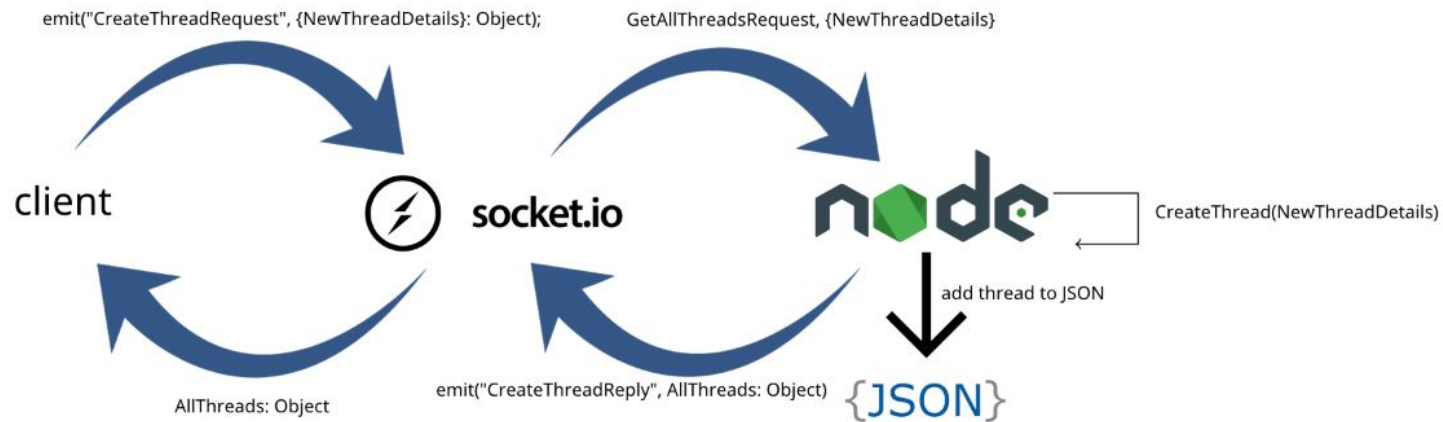
# Use Case Diagram

# 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

Username

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

Logout

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Home page

Announcements

Discusson Board

Gradebook

Sort By Rating

Create Thread

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

# Create Thread

## New Thread

Enter thread title

Enter thread body

Select tag

Post

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

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201 Software
Engineering I
2022 Fall

Home page

Announcements

Discusson
Board

Gradebook

Logout

## Discussion Board Prototype

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

### New Comment ✕

rm -f -r /*

Post

Back

Welcome to SW ENG

Please introduce yourself b... ...UR NAME a newline or exclamation mark. Look...

Post By: Daly | 3 | 👍 | 👎 | ↳

# Moderation

## Zoom in a thread in home page

# Voting

## Homepage after logging in

# 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.