



# **“UofT Indy” Website:**

## **An online community for students, by students.**

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MIE 350 Final Design  
December 4, 2020

# “UofT Indy” Presentation Outline

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**1. Overview of  
Web  
Application**

**2. Design  
Requirements**

**3. Design  
Principles**

**4. Website  
Highlights**

**5. Reflections  
and Conclusion**

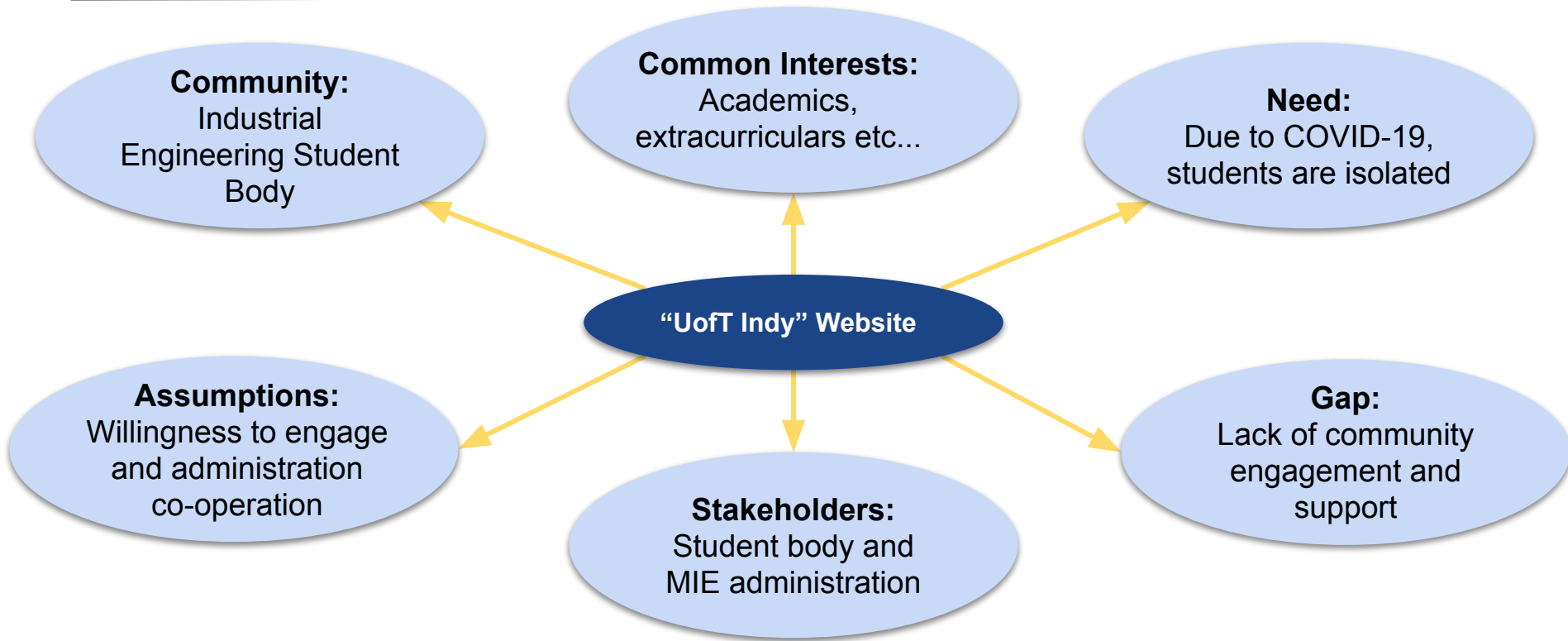


## Project Objective:

*“Create a web application to support, engage and maintain the Industrial Engineering community within the University of Toronto”*

# Contextual Overview

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# Structural Overview



Mechanical & Industrial Engineering  
UNIVERSITY OF TORONTO



Course Information

Interactive Platform

“UofT Indy” Website

Quantitative  
Student Reviews

Qualitative  
Student Reviews

RATE MY PROFESSORS

# Functional Requirements

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## Web Page Requirements:

- **Sign In:** In order to access the website
- **Home Page:** Project & website description
- **Courses Page:** Course description & resources.
- **Search Bar:** Search any website content.
- **Communities:** Categories of discussion posts comprised of threads & replies

## Primary User Requirements:

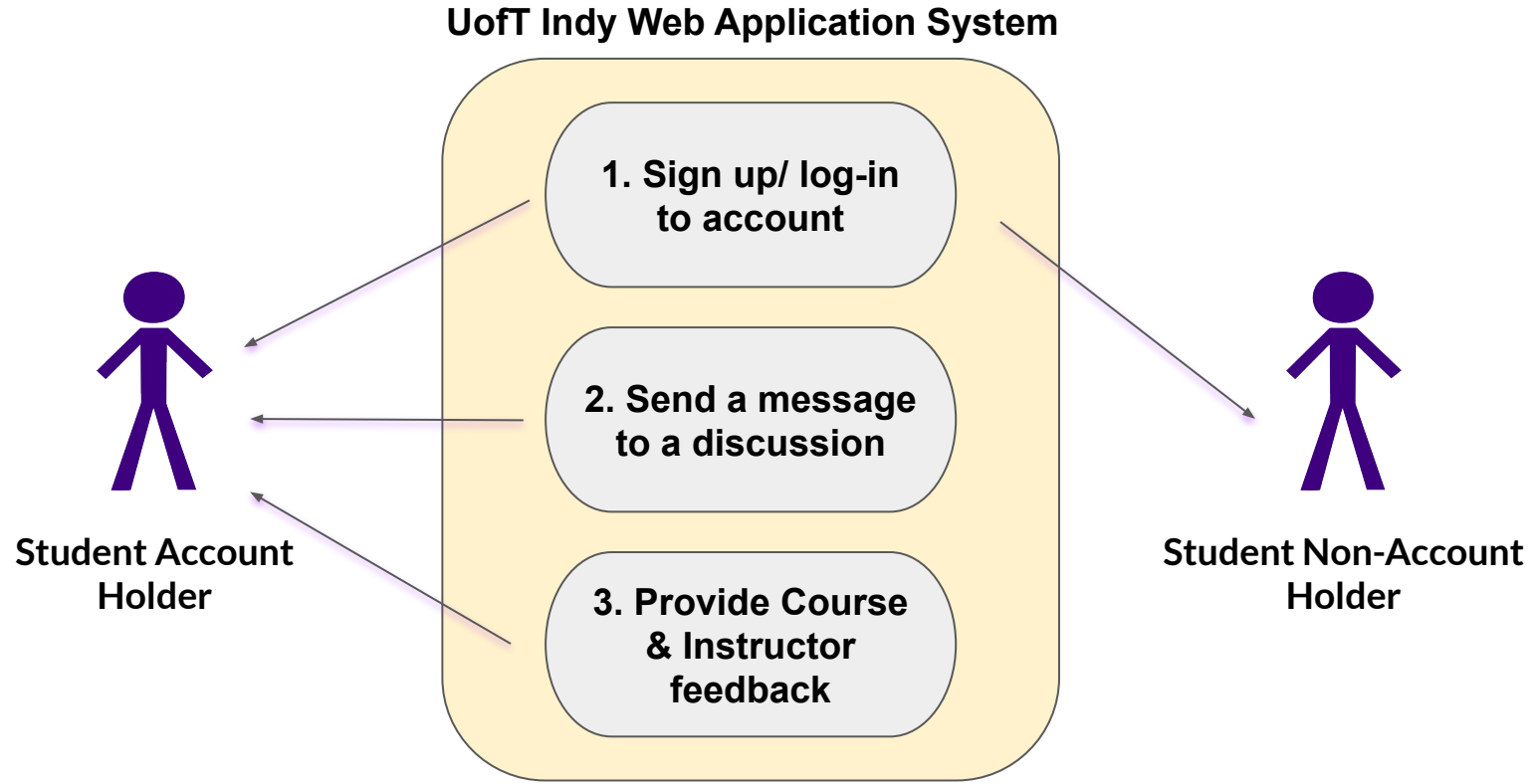
- Access to the sign-up page
- Access to view/reply to discussion boards
- Access to Courses and Professor reviews
- Use of the Search Bar
- **Authenticated Account Access**  
(sign-up, login, logout)

# Non-Functional Requirements

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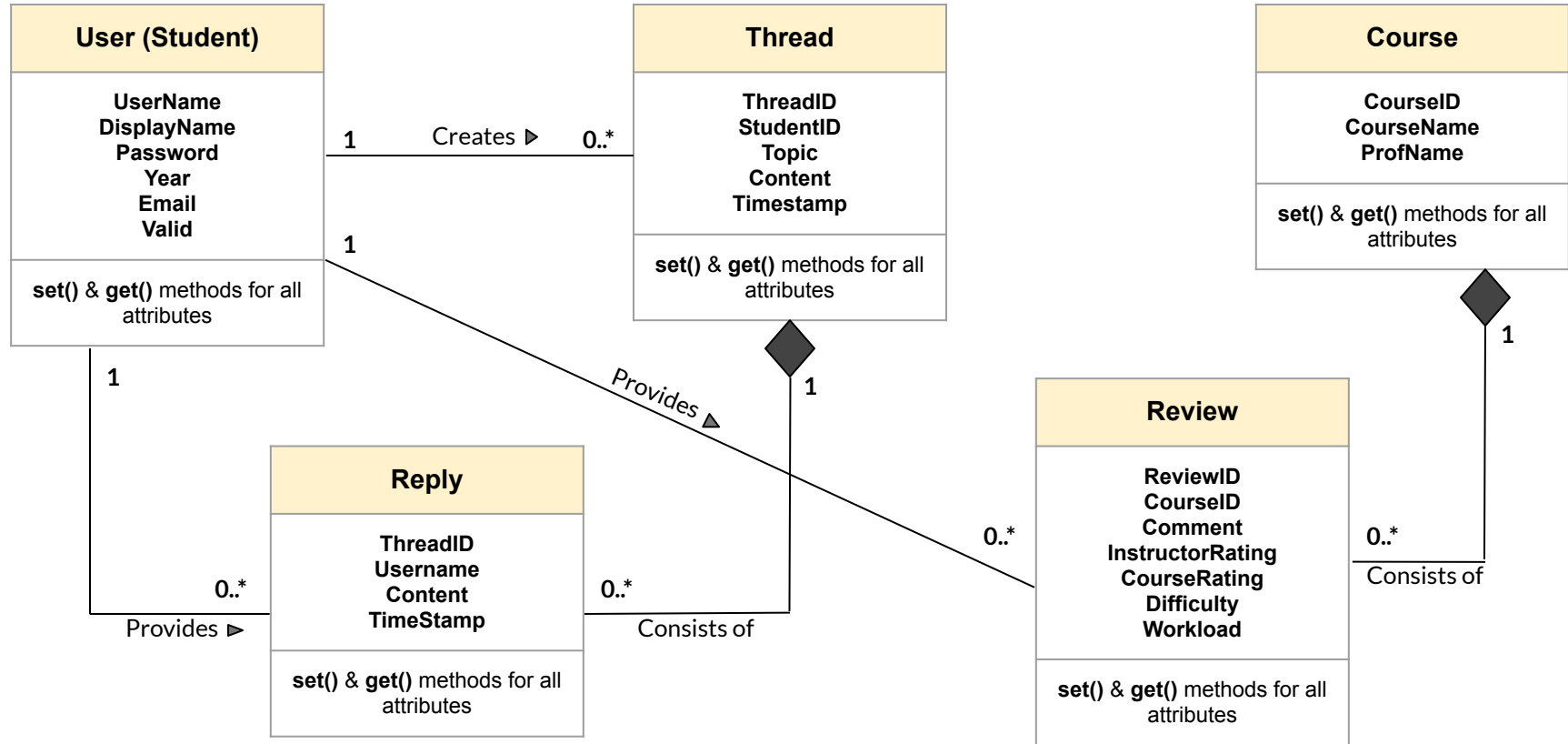
| Requirement | Description  |
|-------------|--|
| Operational | The system should work on any Web Browser                            |
| Performance | The system should be available for use 24/7                          |
|             | The system should support 600 users simultaneously                   |
|             | Monthly website maintenance should be conducted by developers/admins |
| Security    | No user can access to edit other users information                   |
|             | Personal information of each user is protected                       |
|             | Authenticated sessions   |

# Design Principles: UML Use Case Diagram

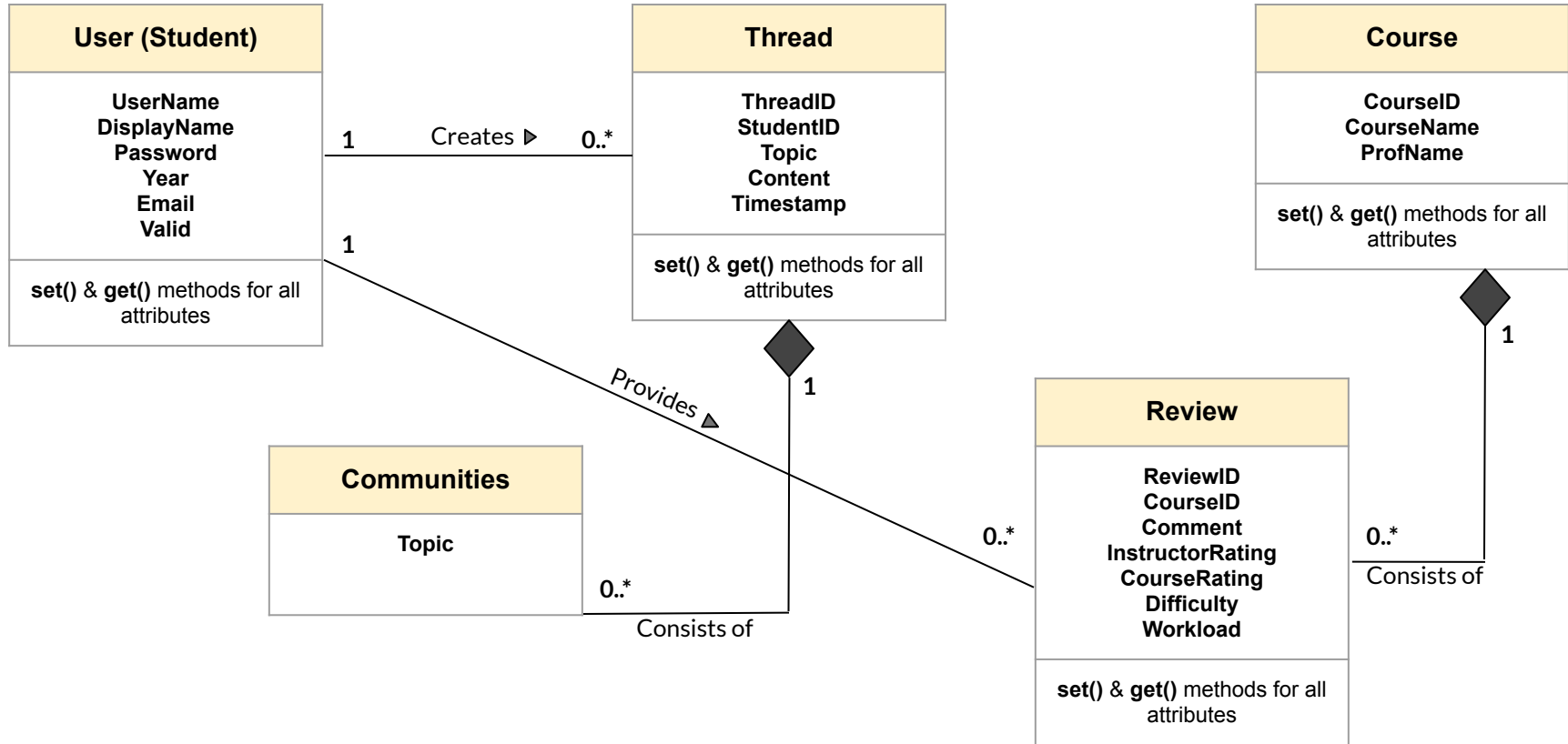




# Design Principles: UML Class Diagram

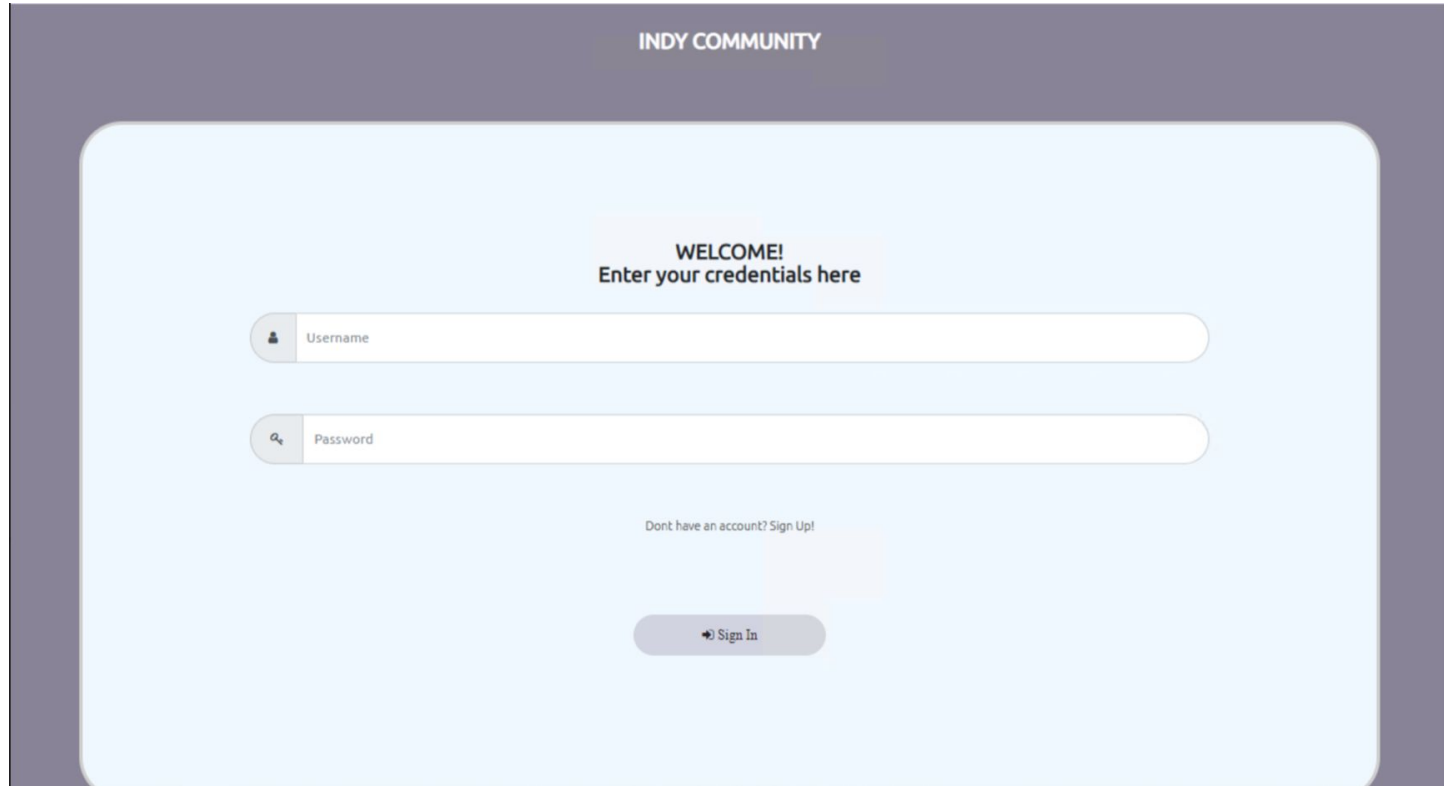


# Design Principles: UML Class Diagram



# Website Highlights: Log In

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INDY COMMUNITY

WELCOME!  
Enter your credentials here

Don't have an account? Sign Up!

[Sign In](#)

The image shows a login form for 'INDY COMMUNITY'. It features a light blue background with rounded corners. At the top, the text 'INDY COMMUNITY' is displayed. Below it, a 'WELCOME!' message is followed by the instruction 'Enter your credentials here'. There are two input fields: one for 'Username' with a person icon and one for 'Password' with a key icon. Below the password field, there is a link that says 'Don't have an account? Sign Up!'. At the bottom, there is a 'Sign In' button with a right-pointing arrow icon.

# Website Highlights: Sign Up

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The image shows a web form titled "SIGN UP" centered at the top. Below the title are five input fields, each with a small icon on the left: "Displayname" (person icon), "Username" (person icon), "Email" (envelope icon), "Year of Study" (calendar icon), and "Password" (key icon). Below these fields is a link that says "Already have an account? Log in!". At the bottom of the form is a button labeled "Sign Up" with a right-pointing arrow.

# Website Highlights: Sign Up

Accessibility  
Icons

SIGN UP

Displayname

Username

Email

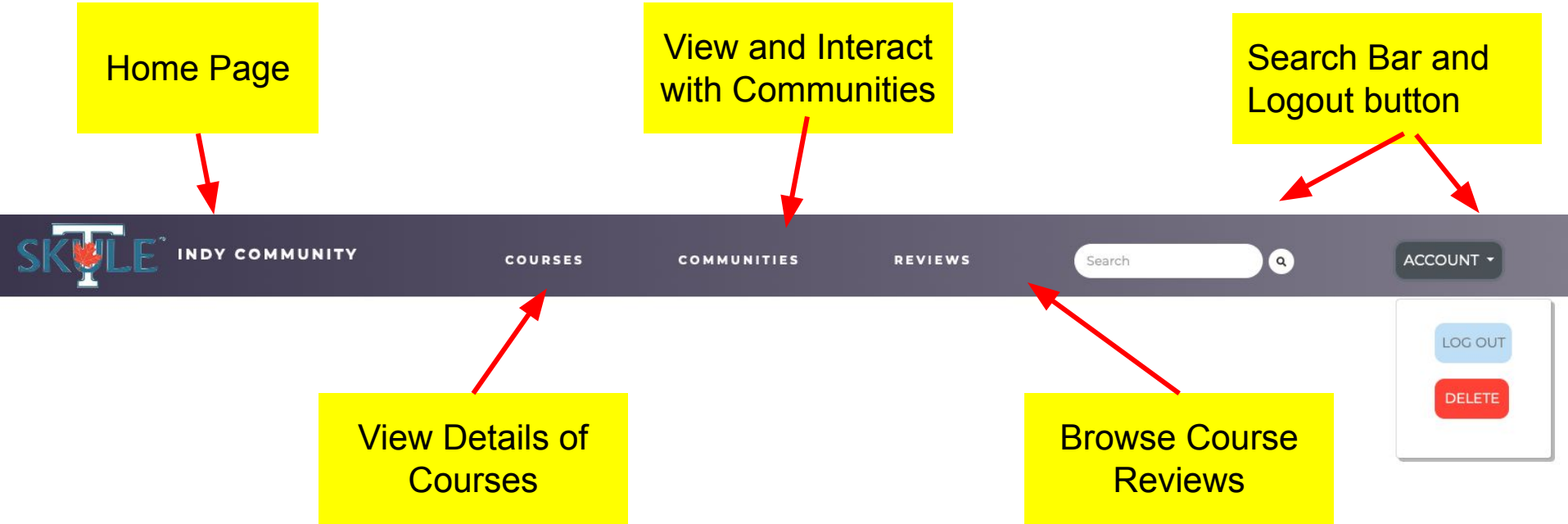
Year of Study

Password

Already have an account? Log in!

Sign Up

# Website Highlights: Navigation Bar



# Website Highlights: Courses

## Industrial Engineering Courses

### First Year

APS100H1 - Orientation to Engineering

APS106H1 - Fundamentals of Computer Programming

APS111H1 - Engineering Strategies and Practice I

APS112H1 - Engineering Strategies & Practice II

CIV100H1 - Mechanics

ECE110H1 - Electrical Fundamentals

MAT186H1 - Calculus I

MAT187H1 - Calculus II

# Website Highlights: Courses

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## Industrial Engineering Courses

### First Year

APS100H1 - Orientation to Engineering

[Click here for description](#)

[Click here for the review](#)

Submit a Review!

Instructor Rating:

Course Code:

Course Rating:

Difficulty:

Workload:

Comments:



# Website Highlights: Courses

## Industrial Engineering Courses

### First Year

APS100H1 - Orientation to Engineering

[Click here for description](#)

[Click here for the review](#)

Submit a Review!

Instructor Rating:

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Difficulty:

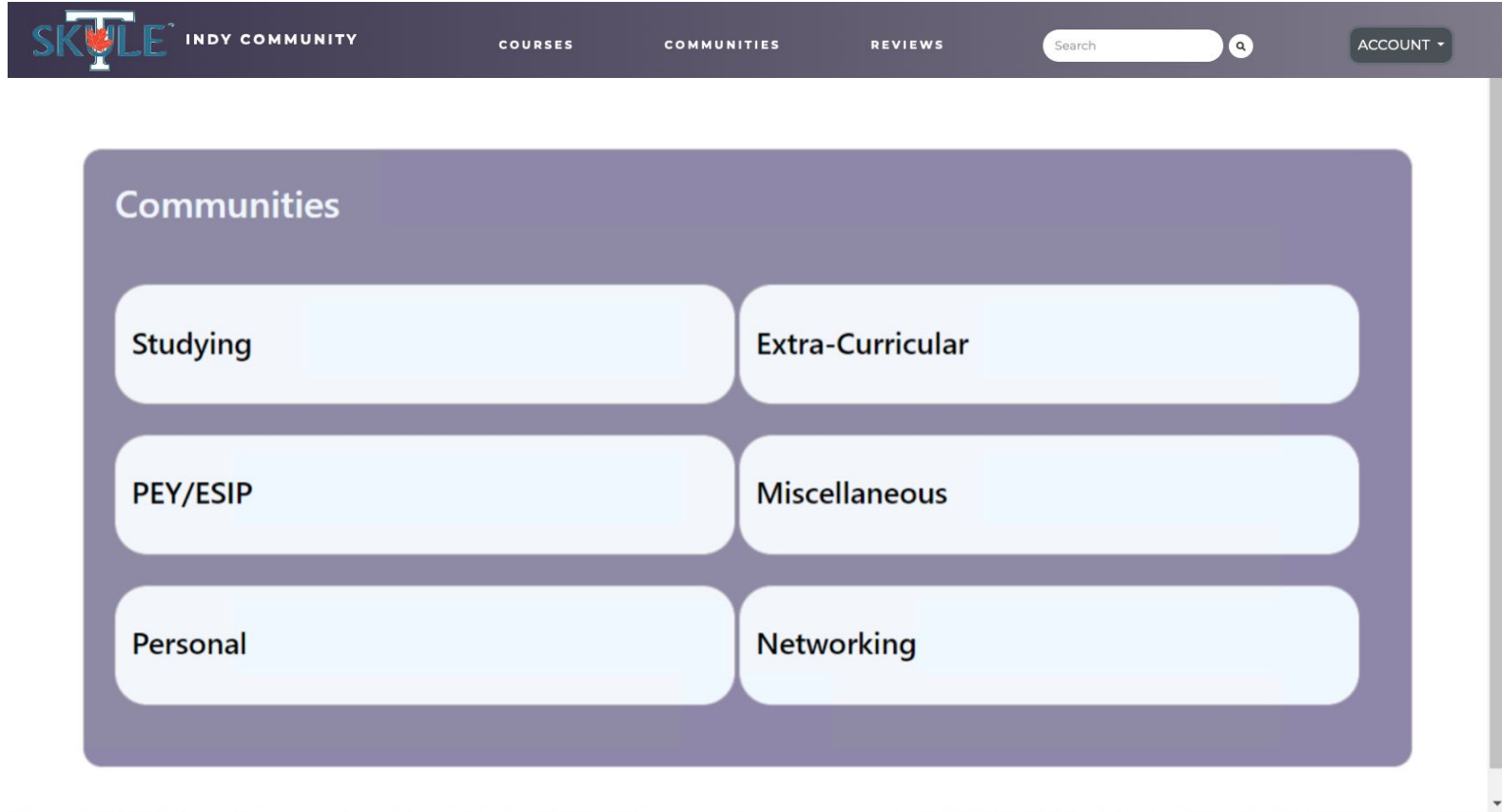
Workload:

Comments:

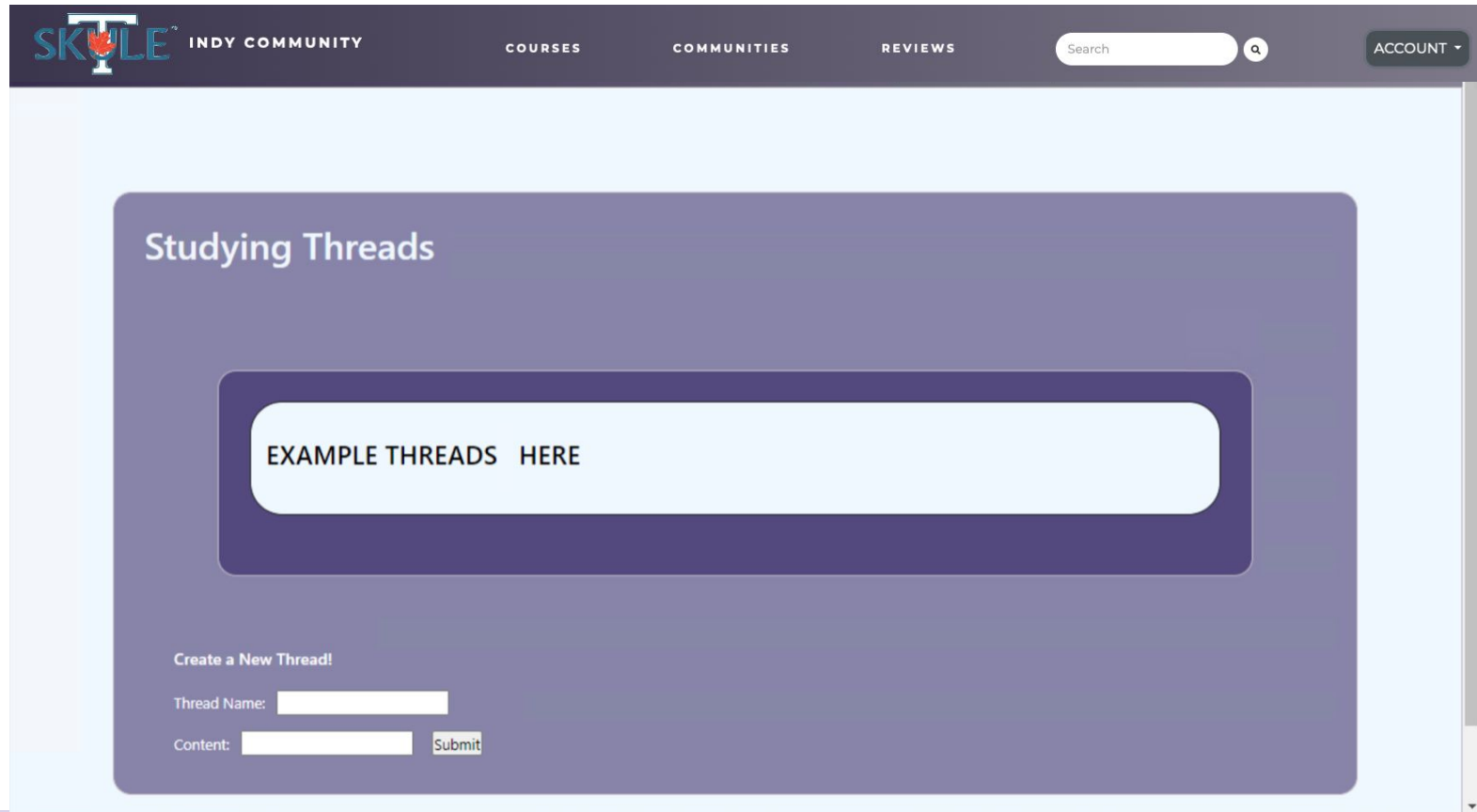
External Description  
Links

Interactive Course  
Review Submission

# Website Highlights: Communities



# Website Highlights: Communities



# Website Highlights: Communities

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## Thread Example

This is an example thread contentThis is an example thread contentThis is an example thread contentThis is an example thread contentThis is an example thread contentThis is an example thread contentThis is an example thread contentThis is an example thread contentThis is an example thread contentThis is an example thread contentThis is an example thread contentThis is an example thread contentThis is an example thread contentThis is an example thread contentThis is an example thread content


## Replies

This is an example thread reply


Leave a Reply

Submit

# Website Highlights: Reviews

 **INDY COMMUNITY**

COURSES COMMUNITIES REVIEWS



ACCOUNT ▾

## Course Reviews

Select a Course to Review:

Get Review!

# Website Highlights: Reviews

SKULE™ INDY COMMUNITY

COURSES COMMUNITIES REVIEWS

Search

ACCOUNT

## MIE350 Course Review

|                   |      |
|-------------------|------|
| Instructor Rating | 2.50 |
| Course Rating     | 2.25 |
| Difficulty        | 3.00 |
| Workload          | 3.75 |

## Additional Comments

- "What a hard project!"
- "LOL"
- "testing"
- "ServletTest"

Ratings for Each Course

# Website Highlights: Reviews

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## Additional Comments

- "What a hard project!"
- "LOL"
- "testing"
- "ServletTest"

Submit a Review!

Course Code:


Instructor Rating:

Course Rating:

Difficulty:

Workload:

Comments:

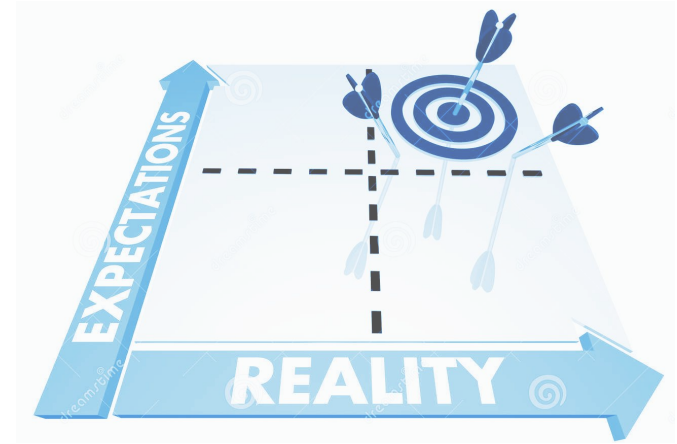


# Difficulties & Lessons Learned



Team Management

Time Zone



Goals vs. Achievements



# Conclusion and Next Steps

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| Strengths                              | Weaknesses                          |
|--|-------------------------------------|
| Functionality: Performance             | Creativity: Design Approach         |
| Appearance: User Interaction           | Appearance: Color, Graphics, Layout |
| Navigation: Access and Ease of Use     |                                     |
| Content: Unique and Useful Information |                                     |