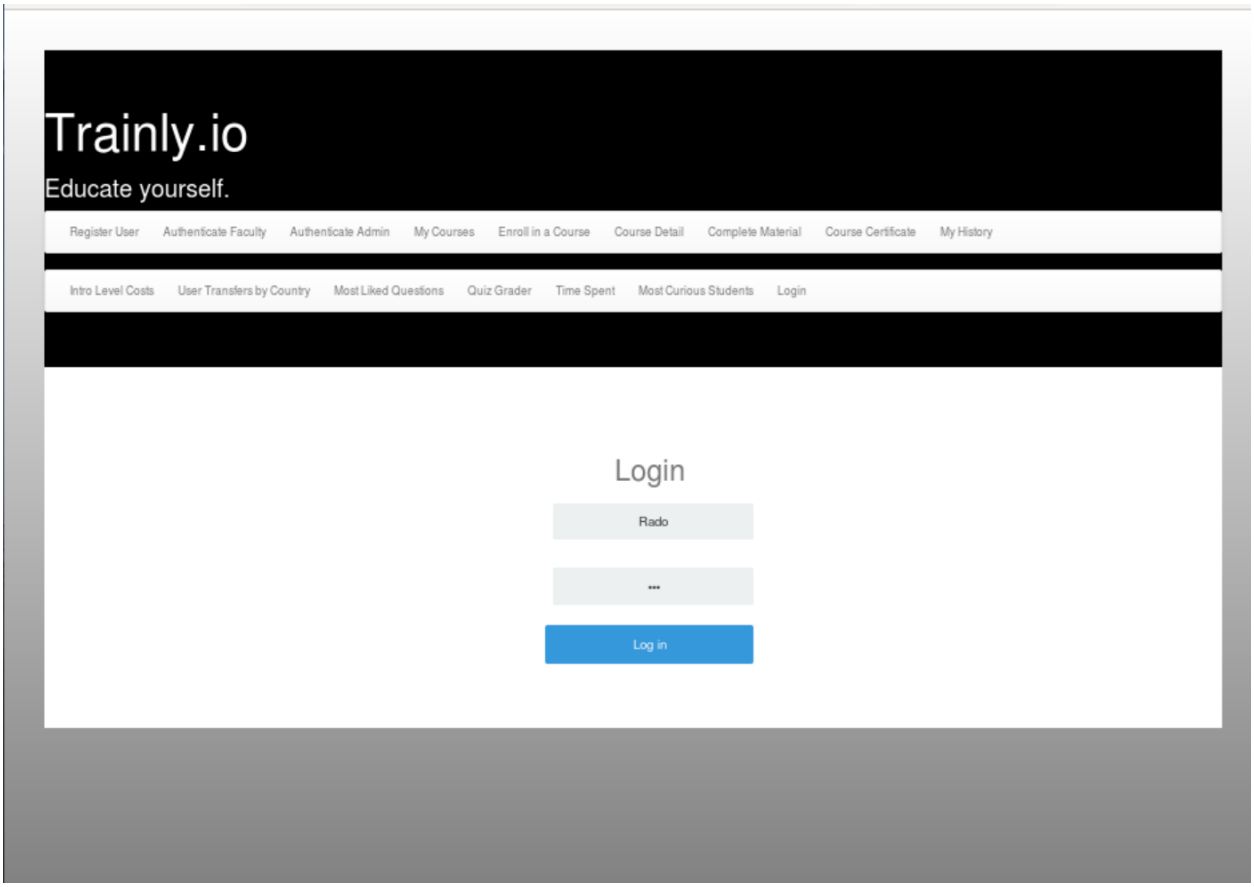
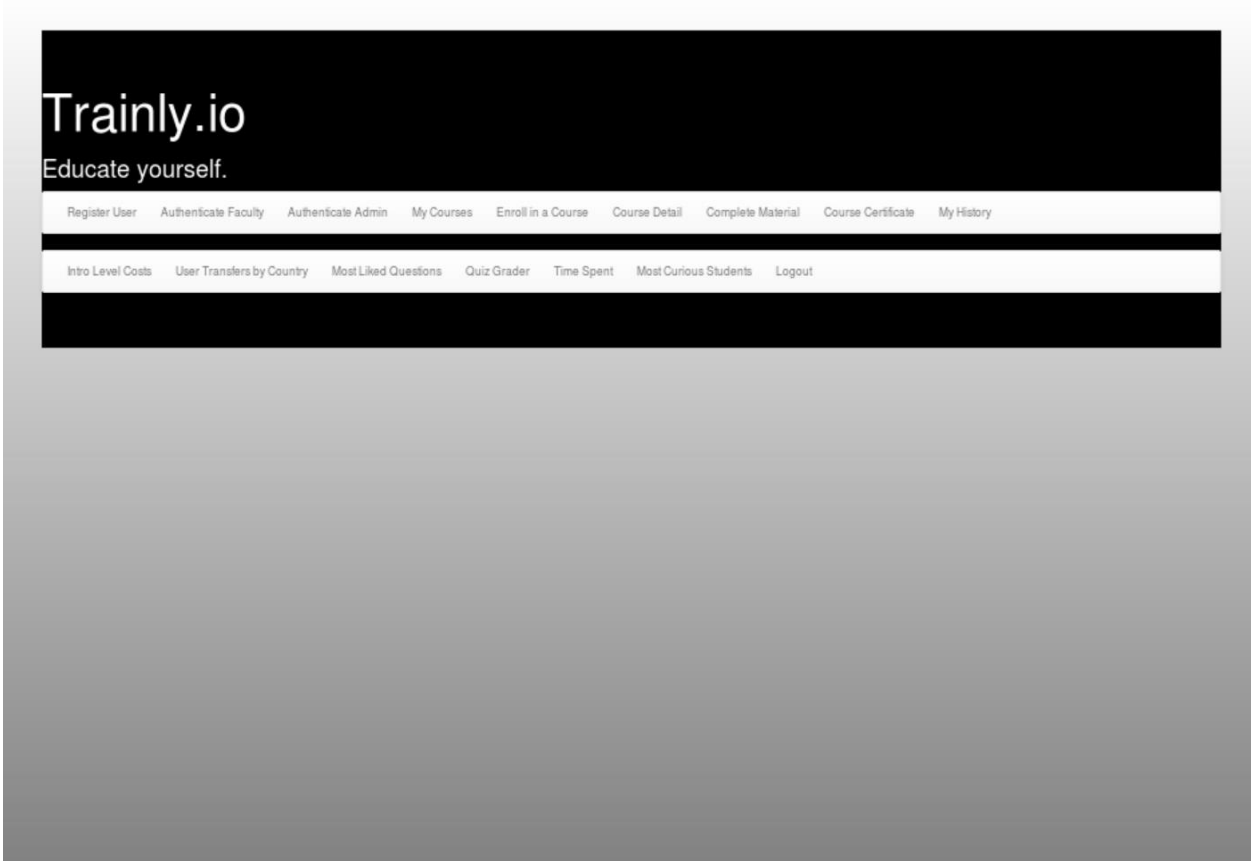
This is the login screen. It is the first page you see at localhost:8888.

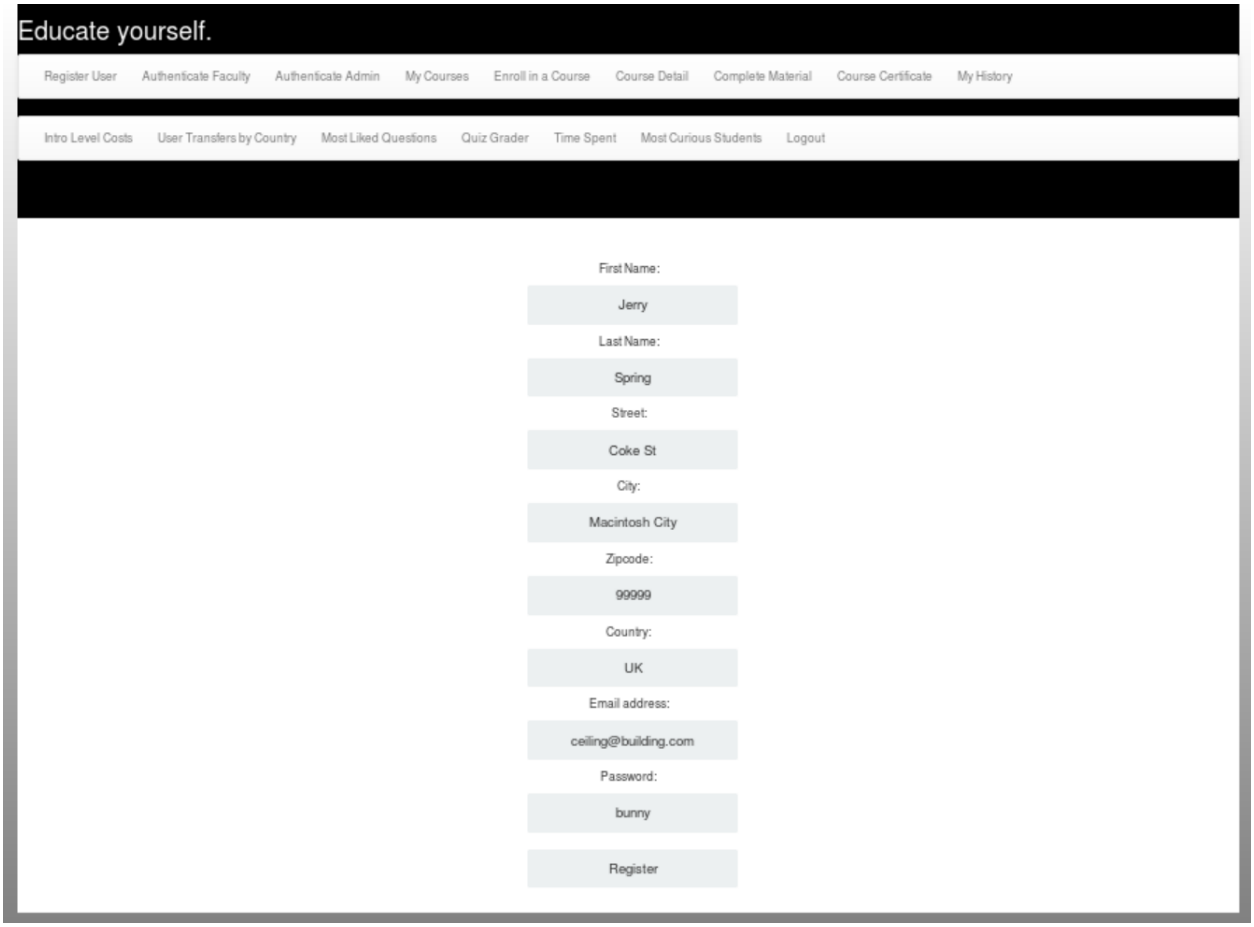


After logging in the user can select which task or report to display.

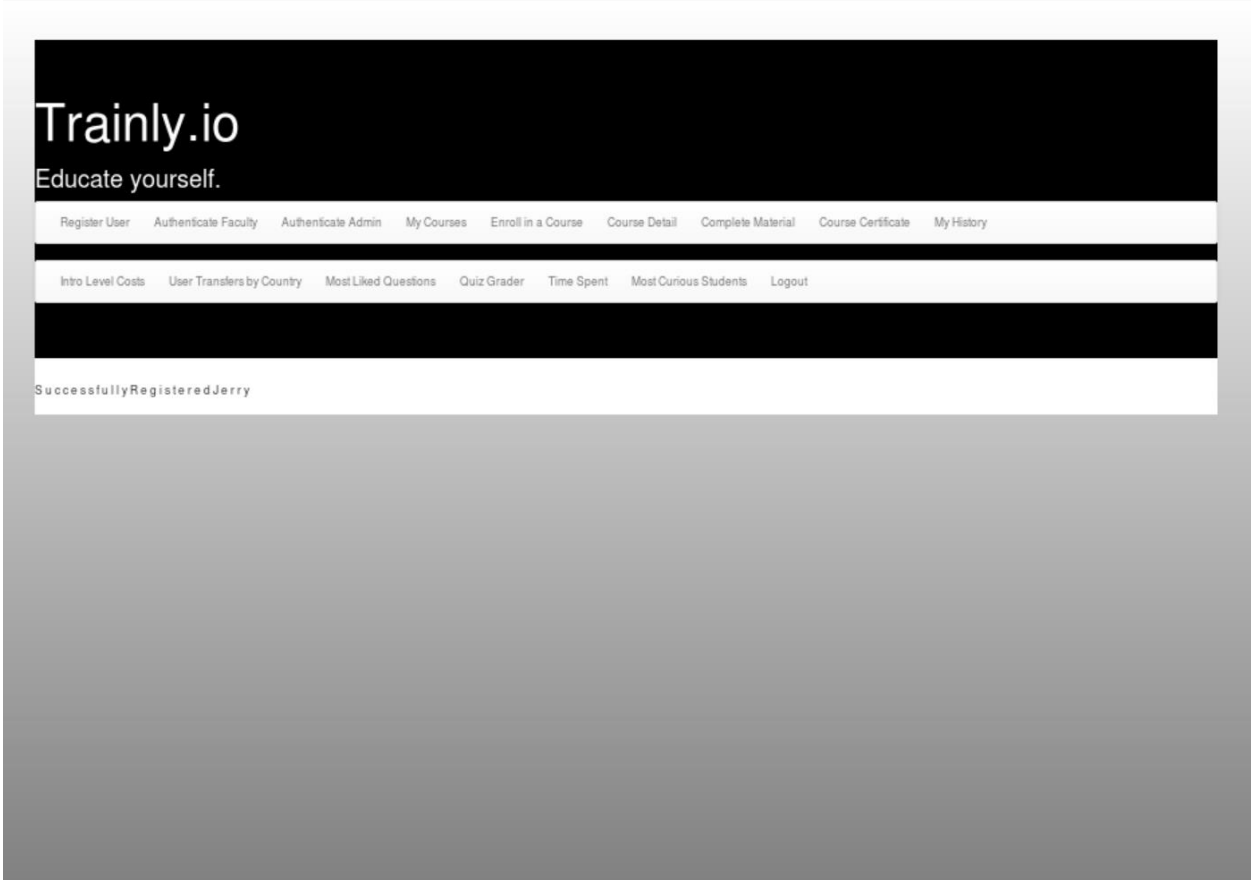


Registration

Input:


Educate yourself.
Register User
Authenticate Faculty
Authenticate Admin
My Courses
Enroll in a Course
Course Detail
Complete Material
Course Certificate
My History
Intro Level Costs
User Transfers by Country
Most Liked Questions
Quiz Grader
Time Spent
Most Curious Students
Logout
First Name:
Jerry
Last Name:
Spring
Street:
Coke St
City:
Macintosh City
Zipcode:
99999
Country:
UK
Email address:
ceiling@building.com
Password:
bunny
Register

Output



Authenticate Faculty

Trainly.io

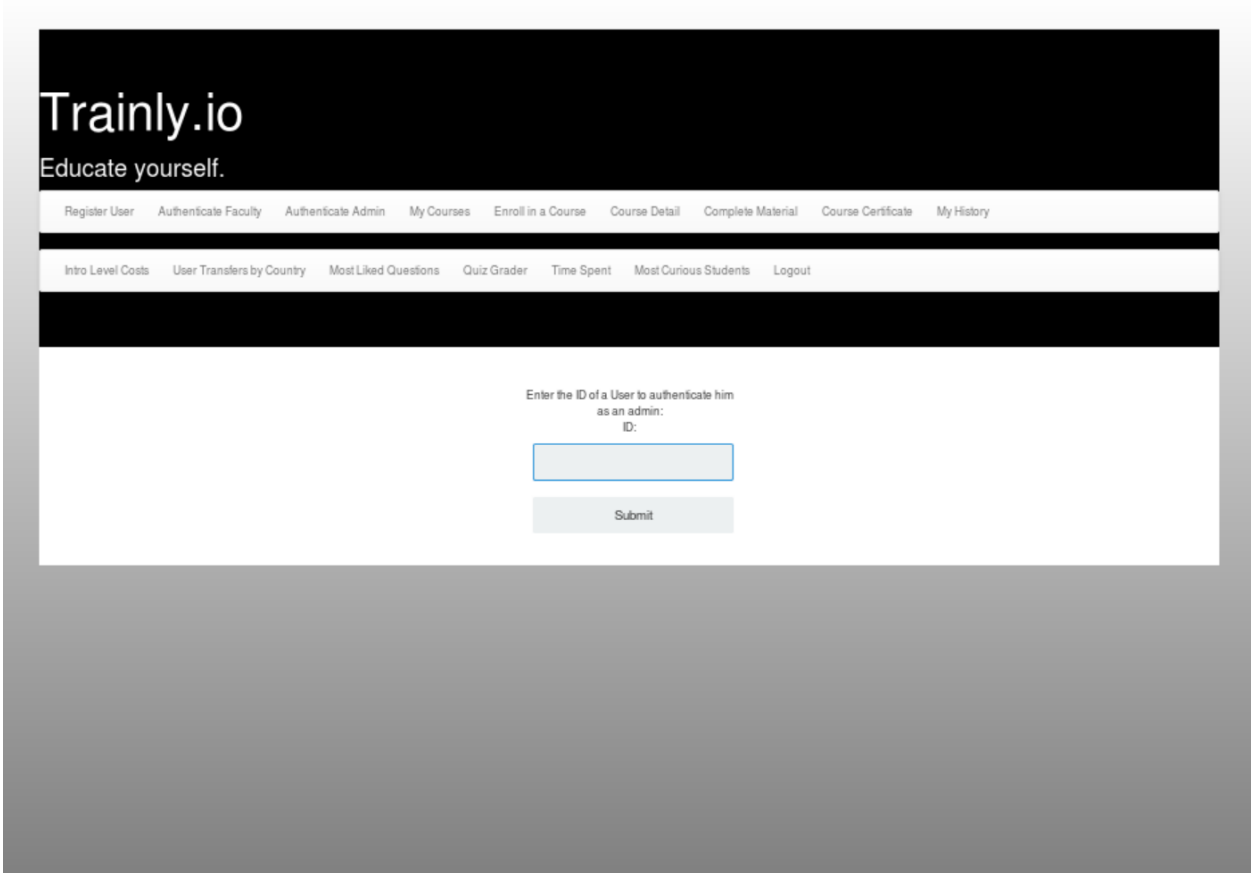
Educate yourself.

Register User | Authenticate Faculty | Authenticate Admin | My Courses | Enroll in a Course | Course Detail | Complete Material | Course Certificate | My History

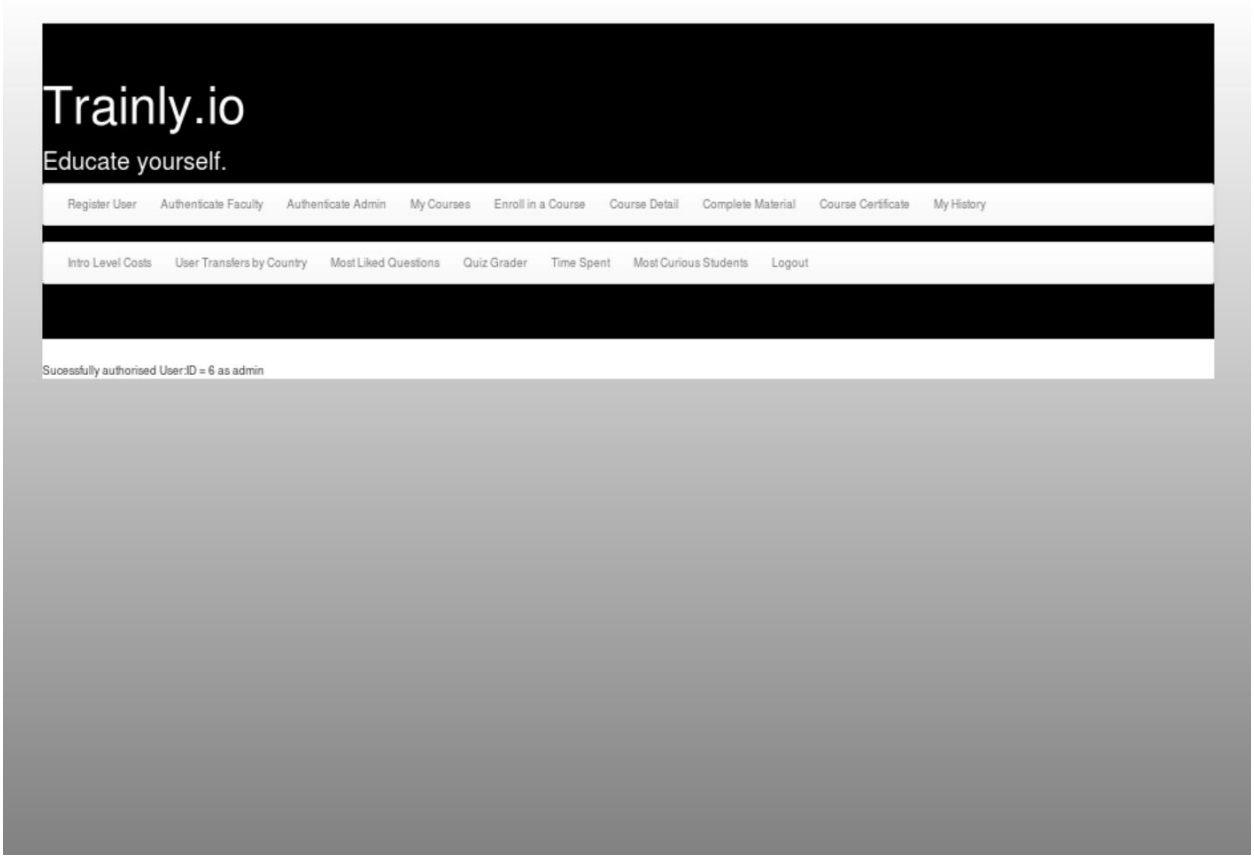
Intro Level Costs | User Transfers by Country | Most Liked Questions | Quiz Grader | Time Spent | Most Curious Students | Logout

There isn't any user that needs to be authenticated as faculty

Authenticate Administrator:

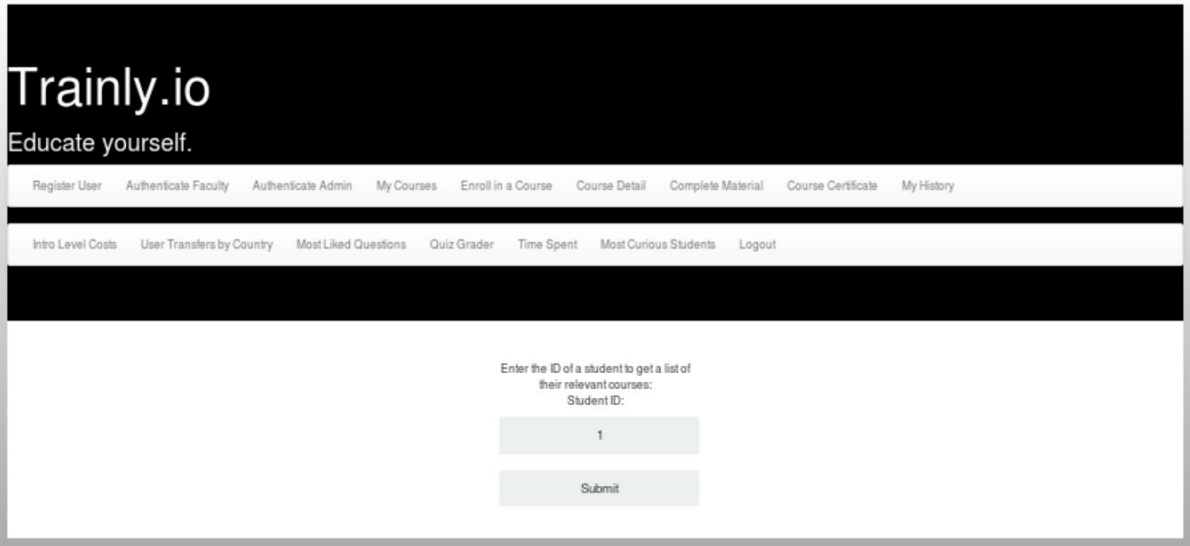


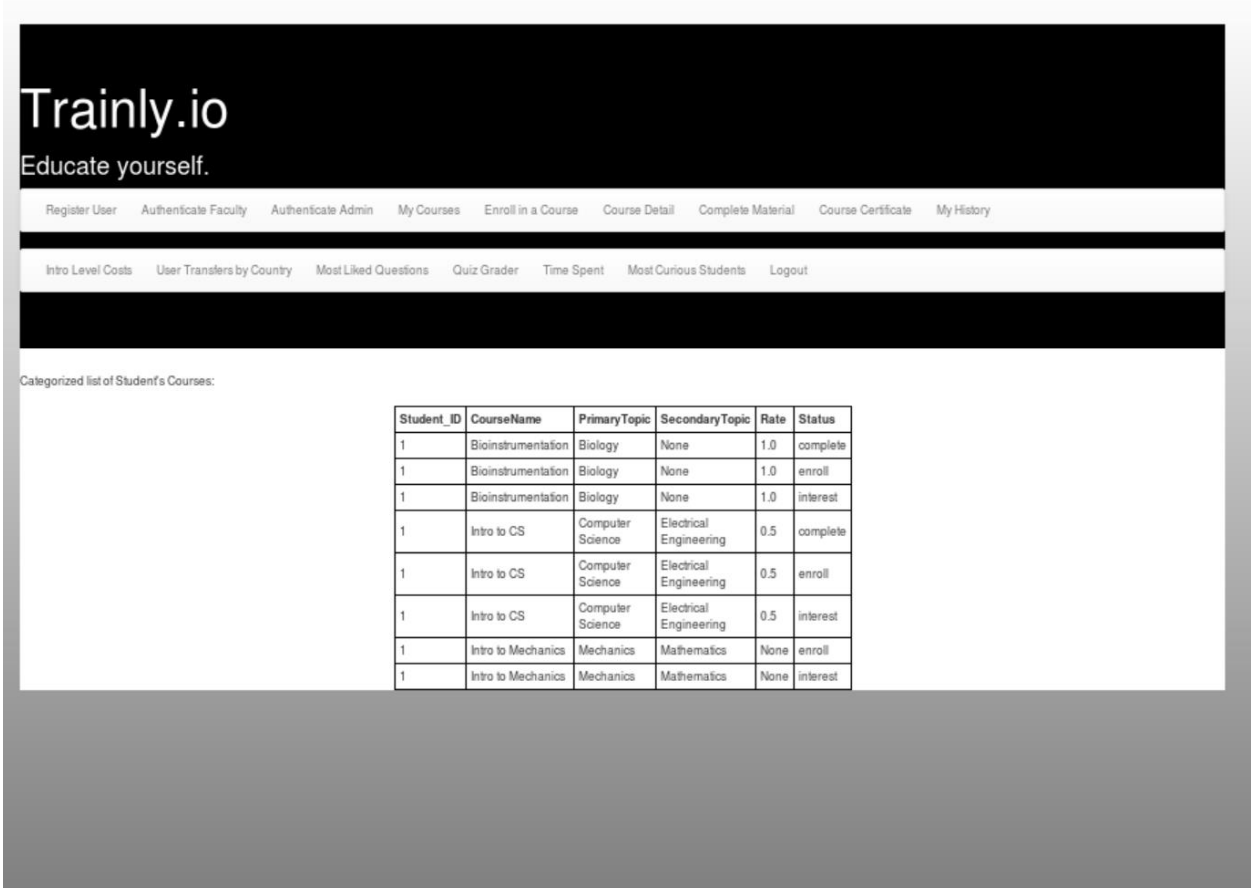
Output:



If this task is run again, it instead tells you that you are already an admin:

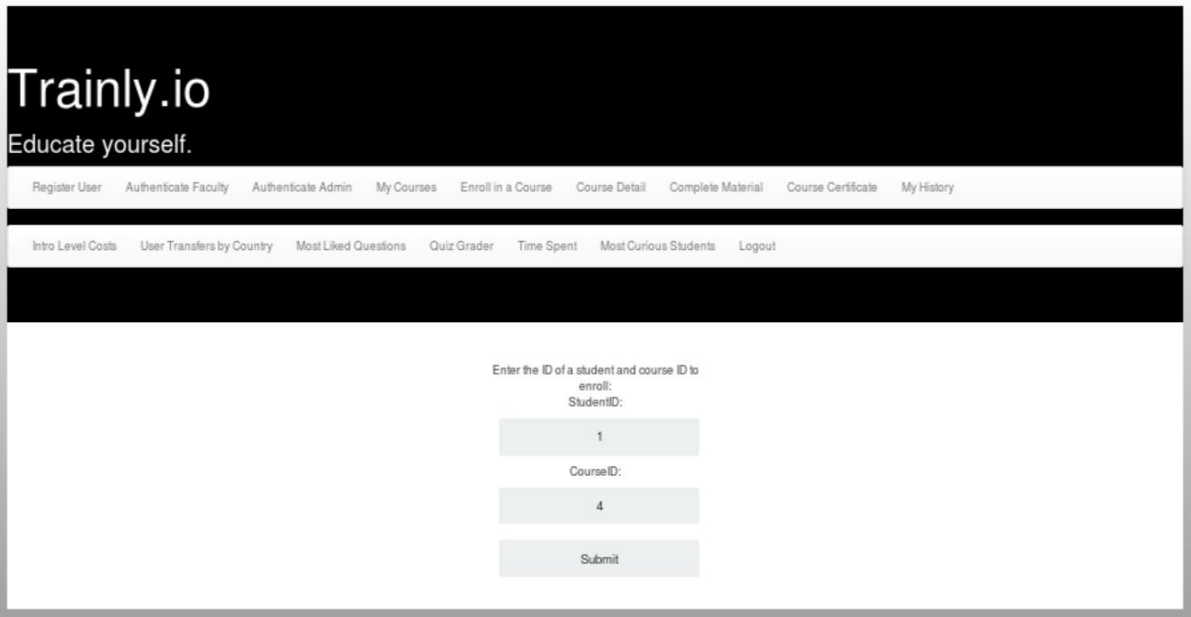
My Courses (Task C):

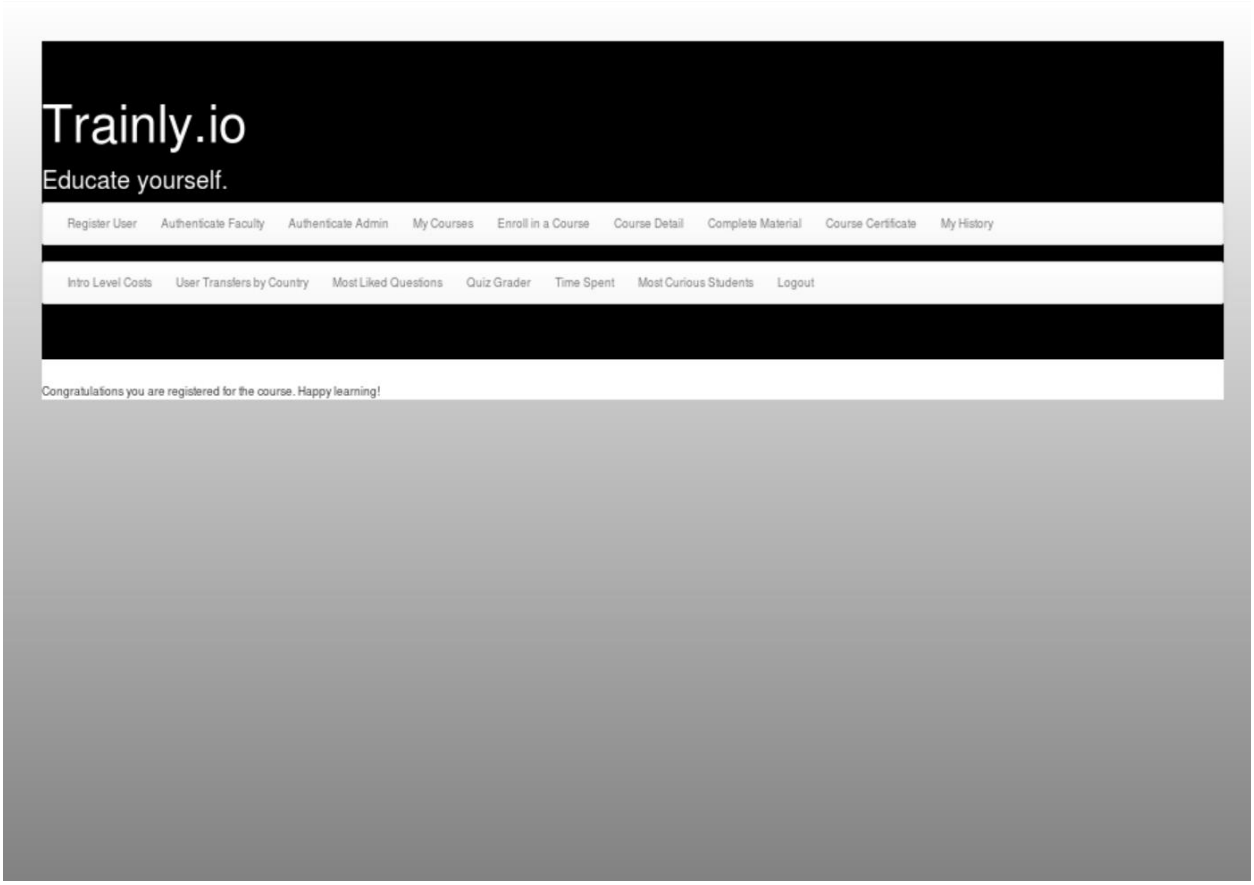

Trainly.io
Educate yourself.
Register User
Authenticate Faculty
Authenticate Admin
My Courses
Enroll in a Course
Course Detail
Complete Material
Course Certificate
My History
Intro Level Costs
User Transfers by Country
Most Liked Questions
Quiz Grader
Time Spent
Most Curious Students
Logout
Enter the ID of a student to get a list of their relevant courses:
Student ID:
1
Submit



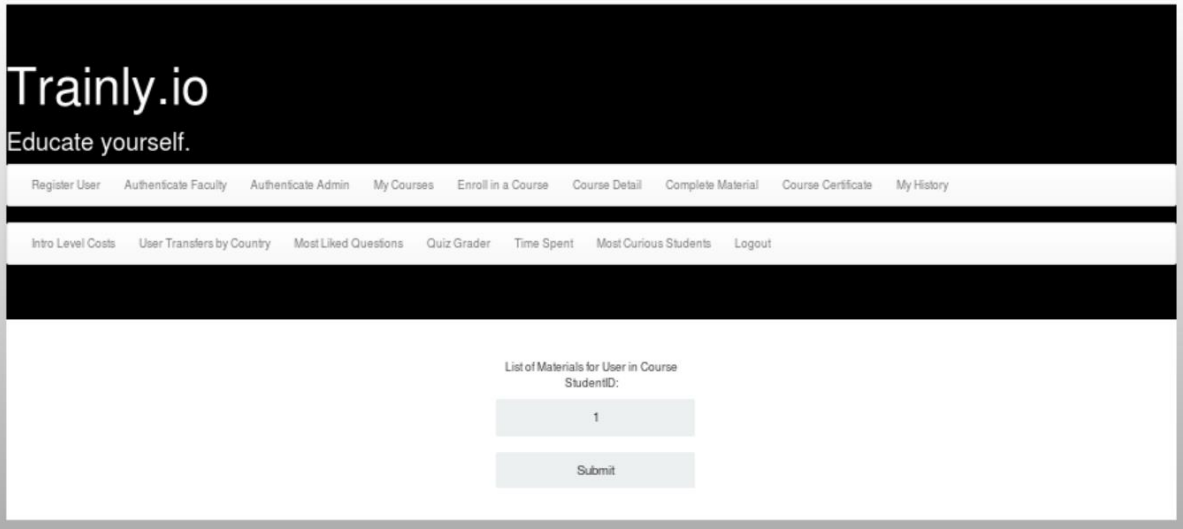
Student_ID	CourseName	PrimaryTopic	SecondaryTopic	Rate	Status
1	Bioinstrumentation	Biology	None	1.0	complete
1	Bioinstrumentation	Biology	None	1.0	enroll
1	Bioinstrumentation	Biology	None	1.0	interest
1	Intro to CS	Computer Science	Electrical Engineering	0.5	complete
1	Intro to CS	Computer Science	Electrical Engineering	0.5	enroll
1	Intro to CS	Computer Science	Electrical Engineering	0.5	interest
1	Intro to Mechanics	Mechanics	Mathematics	None	enroll
1	Intro to Mechanics	Mechanics	Mathematics	None	interest

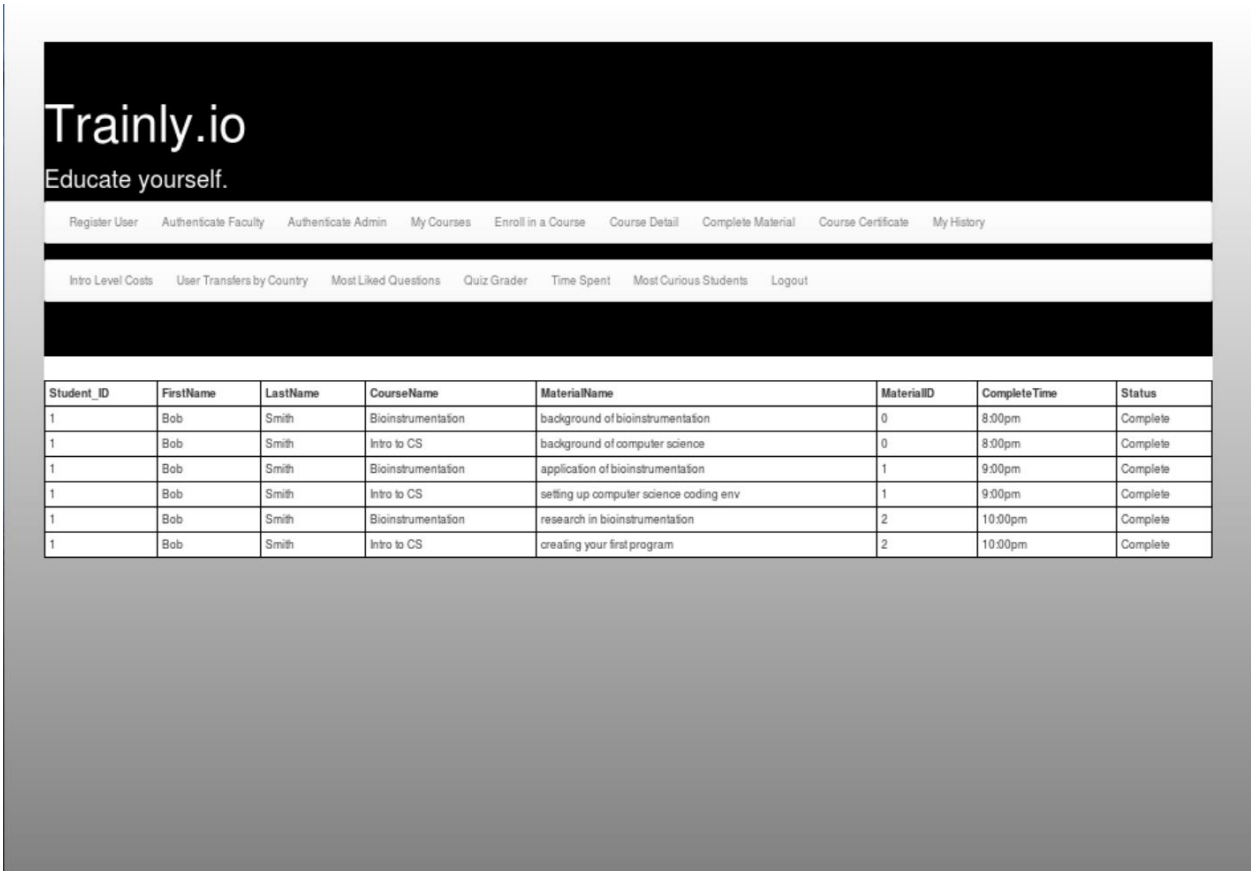
Enrollment (Task D):


Trainly.io
Educate yourself.
Register User
Authenticate Faculty
Authenticate Admin
My Courses
Enroll in a Course
Course Detail
Complete Material
Course Certificate
My History
Intro Level Costs
User Transfers by Country
Most Liked Questions
Quiz Grader
Time Spent
Most Curious Students
Logout
Enter the ID of a student and course ID to enroll:
StudentID:
1
CourseID:
4
Submit



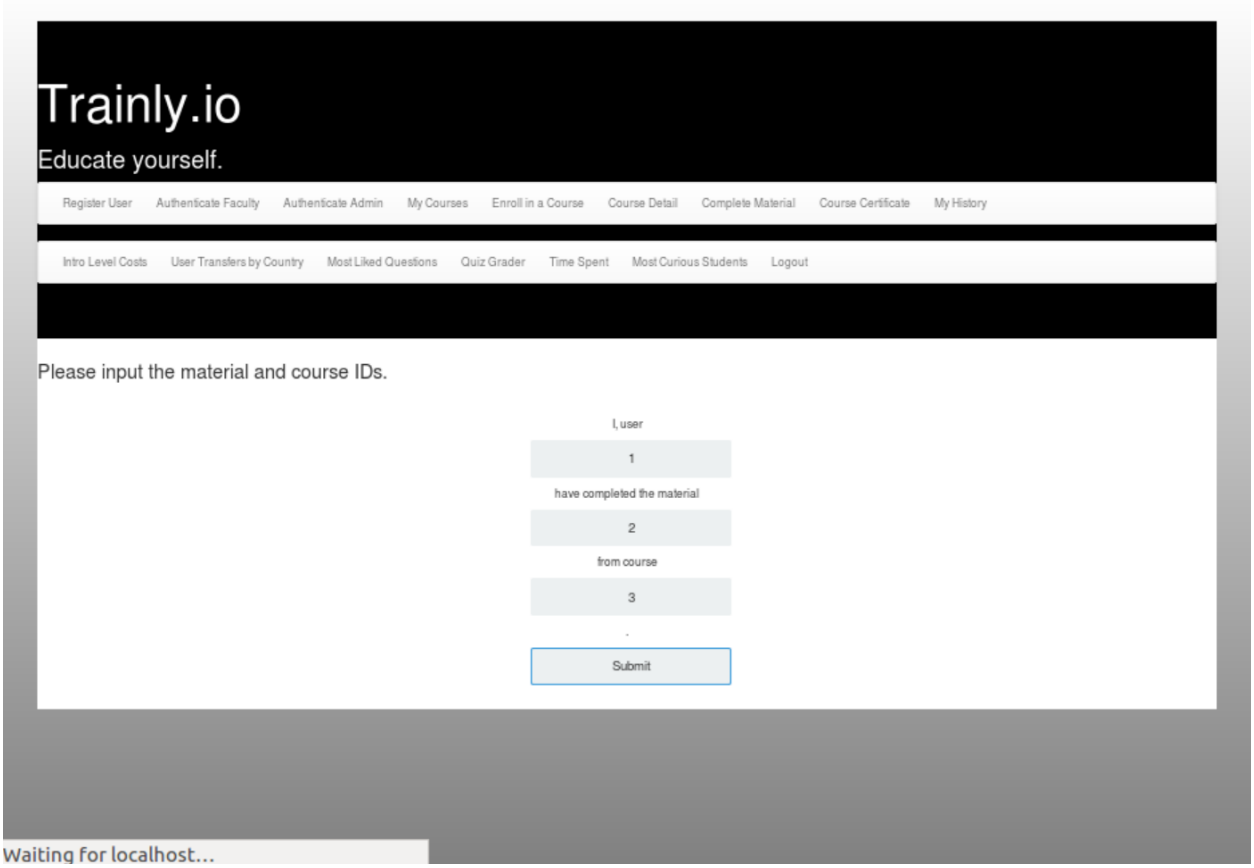
Course Detail (Task E):


Trainly.io
Educate yourself.
Register User
Authenticate Faculty
Authenticate Admin
My Courses
Enroll in a Course
Course Detail
Complete Material
Course Certificate
My History
Intro Level Costs
User Transfers by Country
Most Liked Questions
Quiz Grader
Time Spent
Most Curious Students
Logout
List of Materials for User in Course
StudentID:
1
Submit



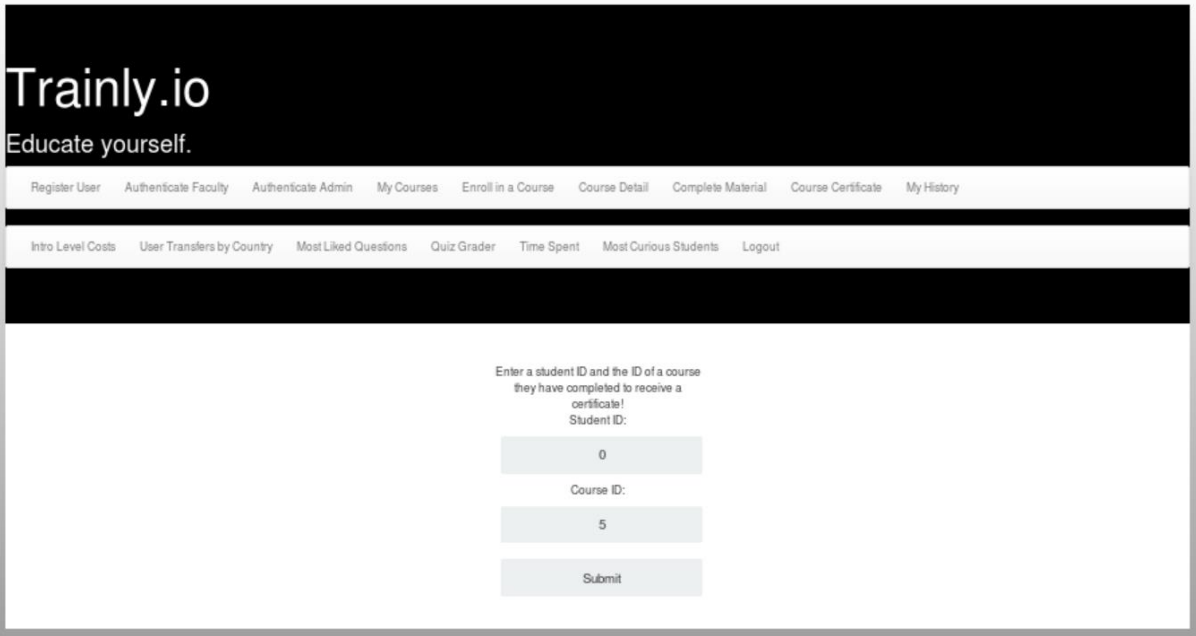
Student_ID	FirstName	LastName	CourseName	MaterialName	MaterialID	CompleteTime	Status
1	Bob	Smith	Bioinstrumentation	background of bioinstrumentation	0	8:00pm	Complete
1	Bob	Smith	Intro to CS	background of computer science	0	8:00pm	Complete
1	Bob	Smith	Bioinstrumentation	application of bioinstrumentation	1	9:00pm	Complete
1	Bob	Smith	Intro to CS	setting up computer science coding env	1	9:00pm	Complete
1	Bob	Smith	Bioinstrumentation	research in bioinstrumentation	2	10:00pm	Complete
1	Bob	Smith	Intro to CS	creating your first program	2	10:00pm	Complete

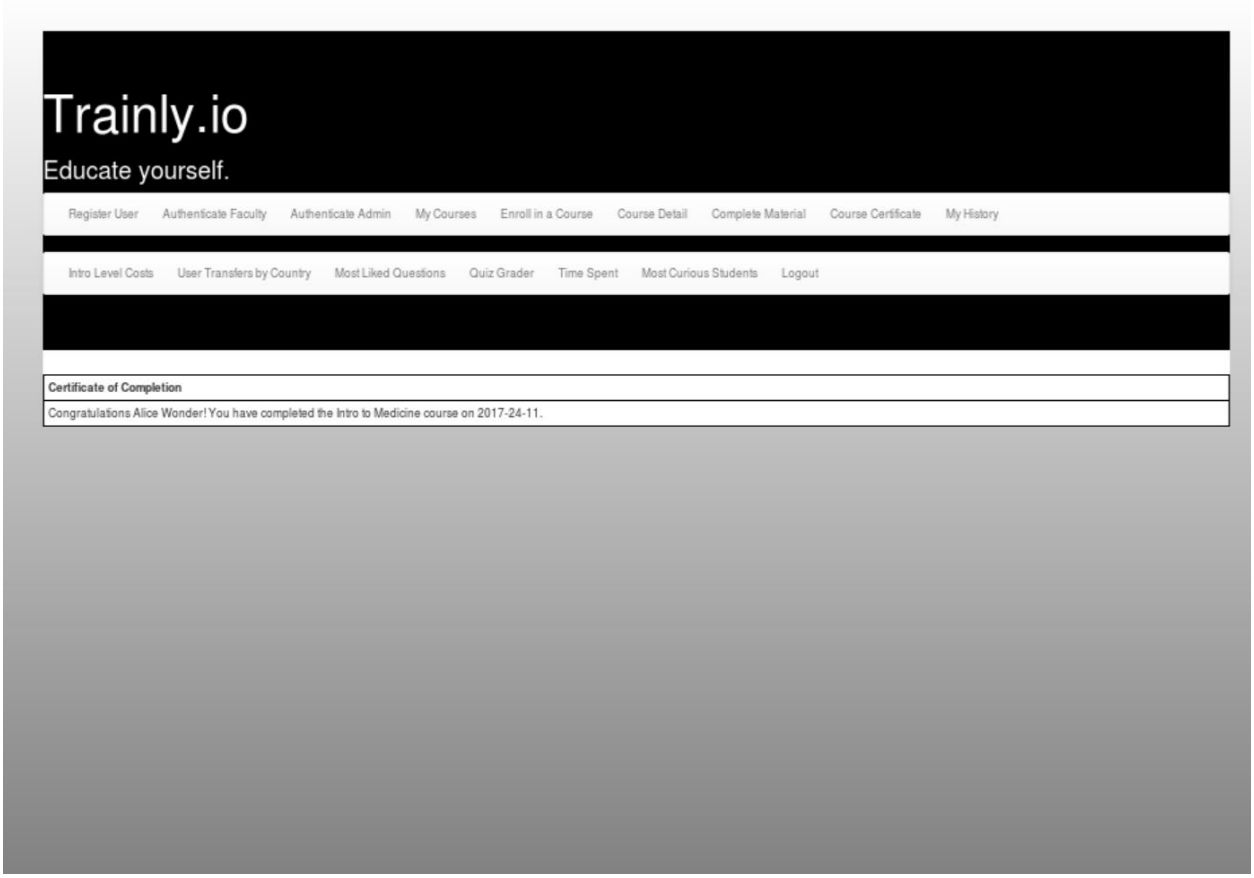
Complete Material (Task F):



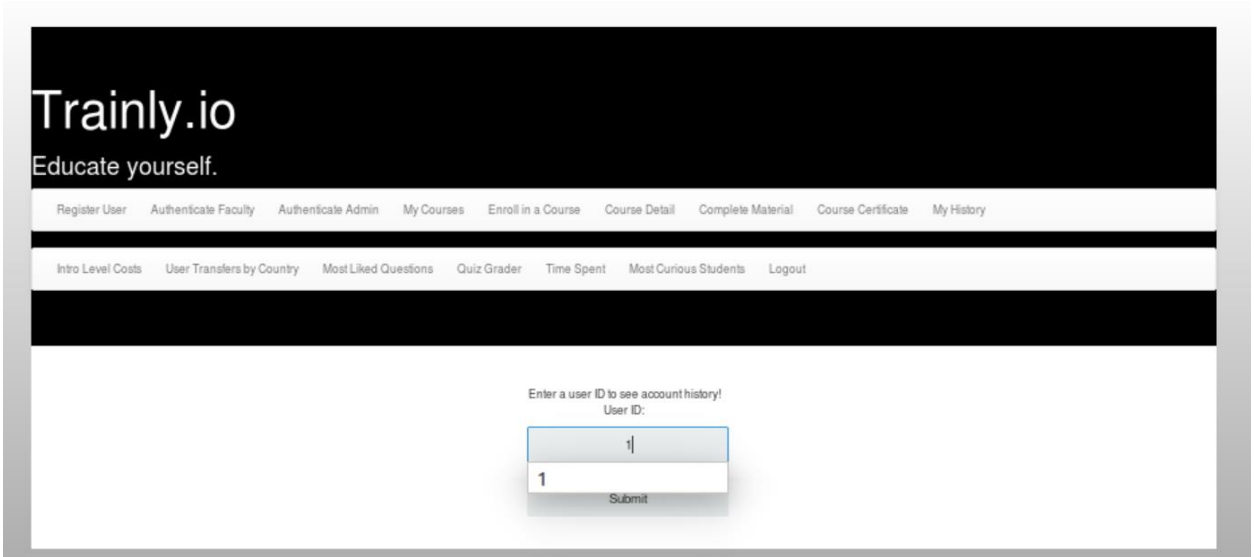
Waiting for localhost...

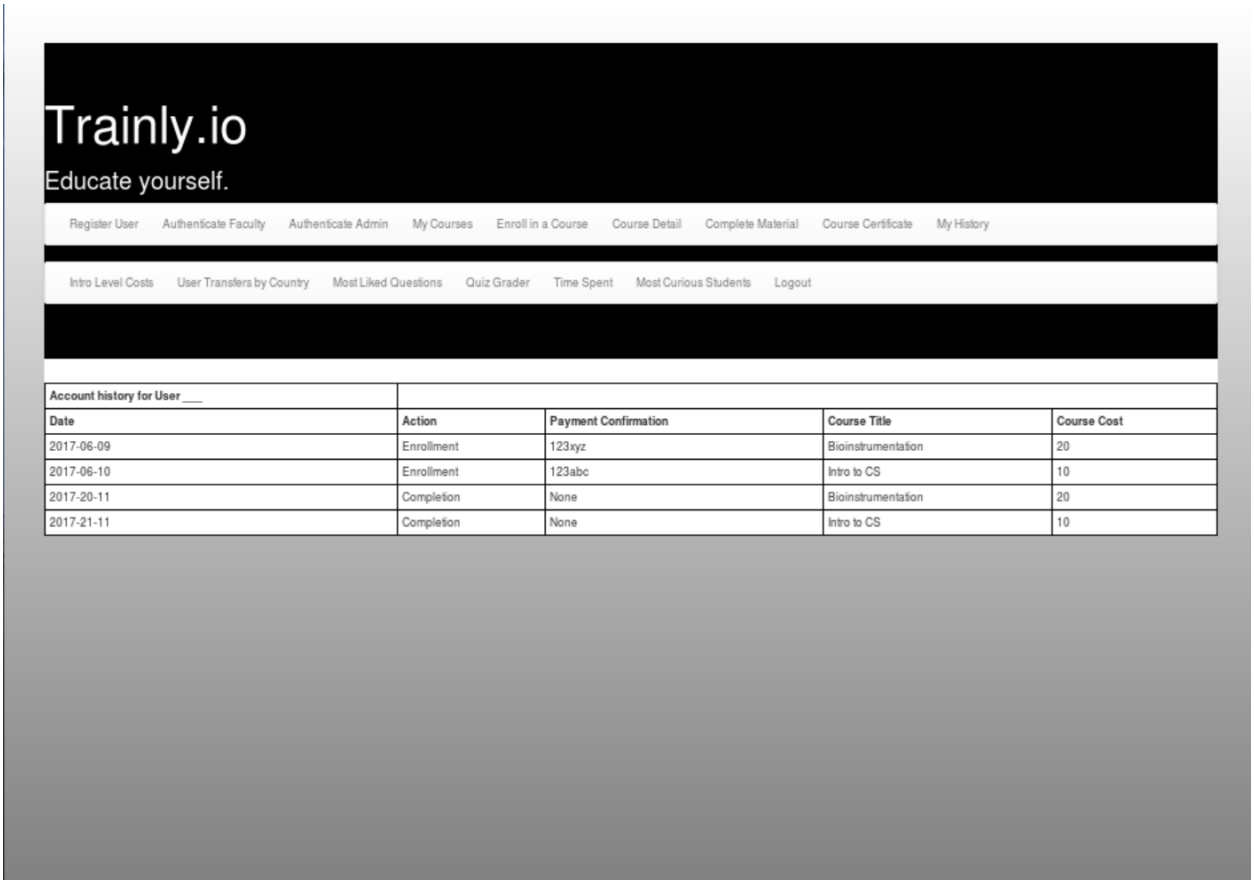
Certificate of Completion (Task G)


Trainly.io
Educate yourself.
Register User
Authenticate Faculty
Authenticate Admin
My Courses
Enroll in a Course
Course Detail
Complete Material
Course Certificate
My History
Intro Level Costs
User Transfers by Country
Most Liked Questions
Quiz Grader
Time Spent
Most Curious Students
Logout
Enter a student ID and the ID of a course they have completed to receive a certificate!
Student ID:
0
Course ID:
5
Submit



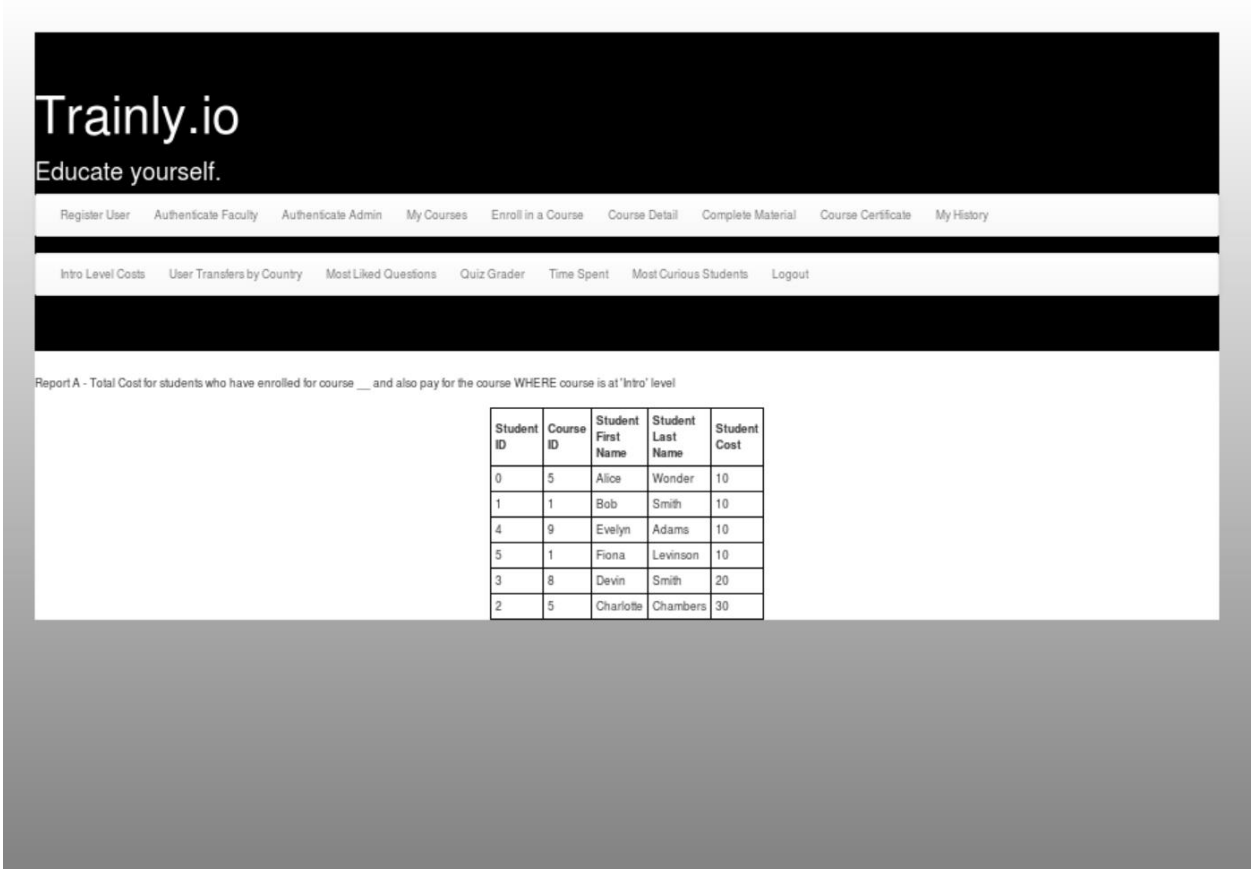
User History (Task H):


Trainly.io
Educate yourself.
Register User
Authenticate Faculty
Authenticate Admin
My Courses
Enroll in a Course
Course Detail
Complete Material
Course Certificate
My History
Intro Level Costs
User Transfers by Country
Most Liked Questions
Quiz Grader
Time Spent
Most Curious Students
Logout
Enter a user ID to see account history!
User ID:
1
1
Submit

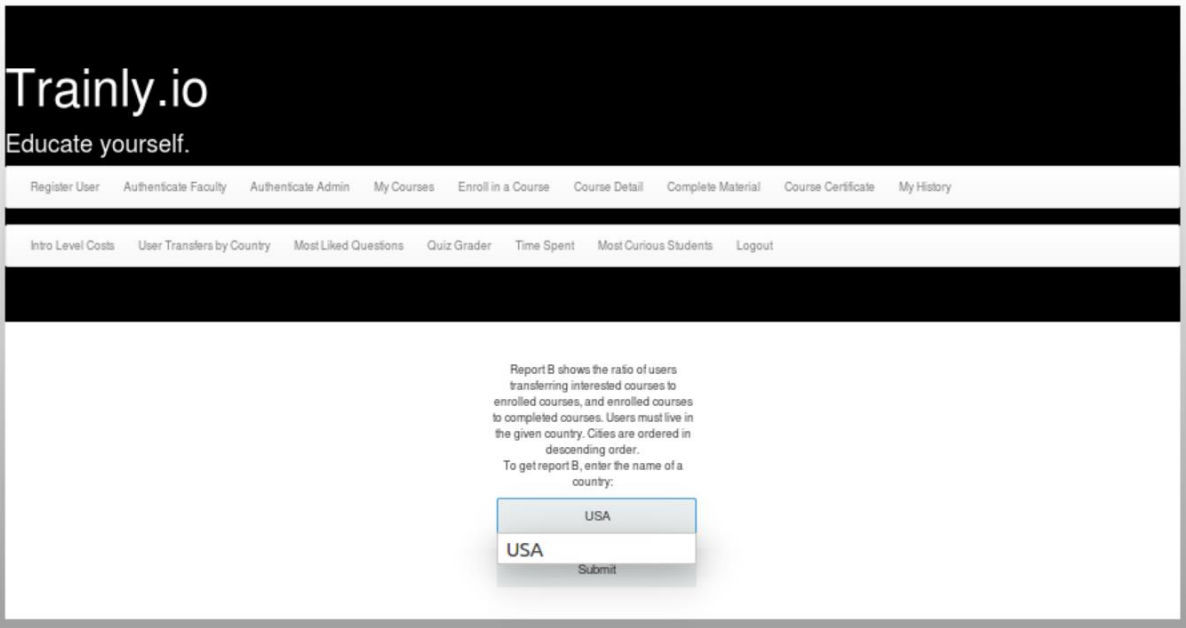


Account history for User ___				
Date	**Action**	**Payment Confirmation**	**Course Title**	**Course Cost**
2017-06-09	Enrollment	123xyz	Bioinstrumentation	20
2017-06-10	Enrollment	123abc	Intro to CS	10
2017-20-11	Completion	None	Bioinstrumentation	20
2017-21-11	Completion	None	Intro to CS	10

Report 1 – Intro-level Class Costs



Report 2 – User Transfers by Country


Trainly.io
Educate yourself.
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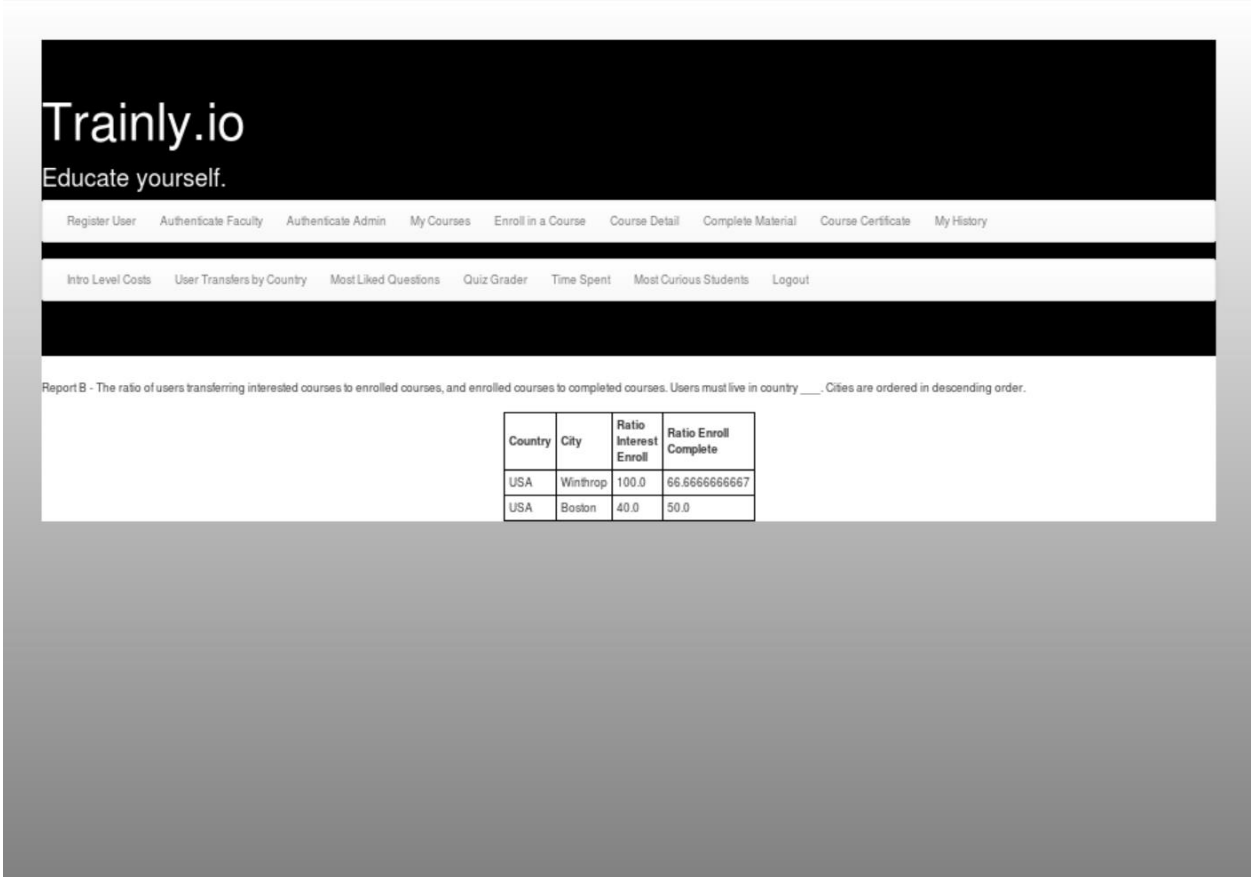
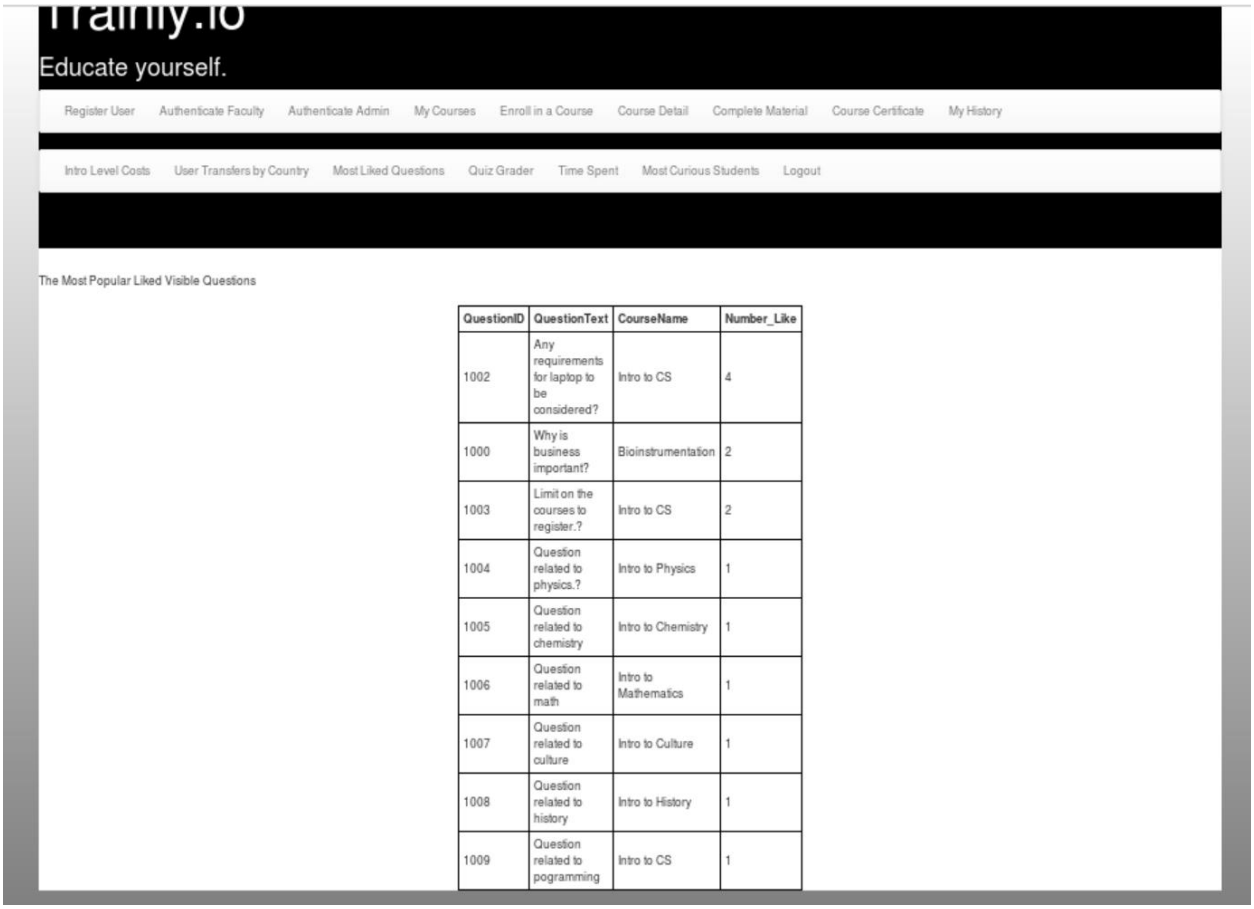
Authenticate Admin
My Courses
Enroll in a Course
Course Detail
Complete Material
Course Certificate
My History
Intro Level Costs
User Transfers by Country
Most Liked Questions
Quiz Grader
Time Spent
Most Curious Students
Logout
Report B shows the ratio of users transferring interested courses to enrolled courses, and enrolled courses to completed courses. Users must live in the given country. Cities are ordered in descending order.
To get report B, enter the name of a country:
USA
USA
Submit

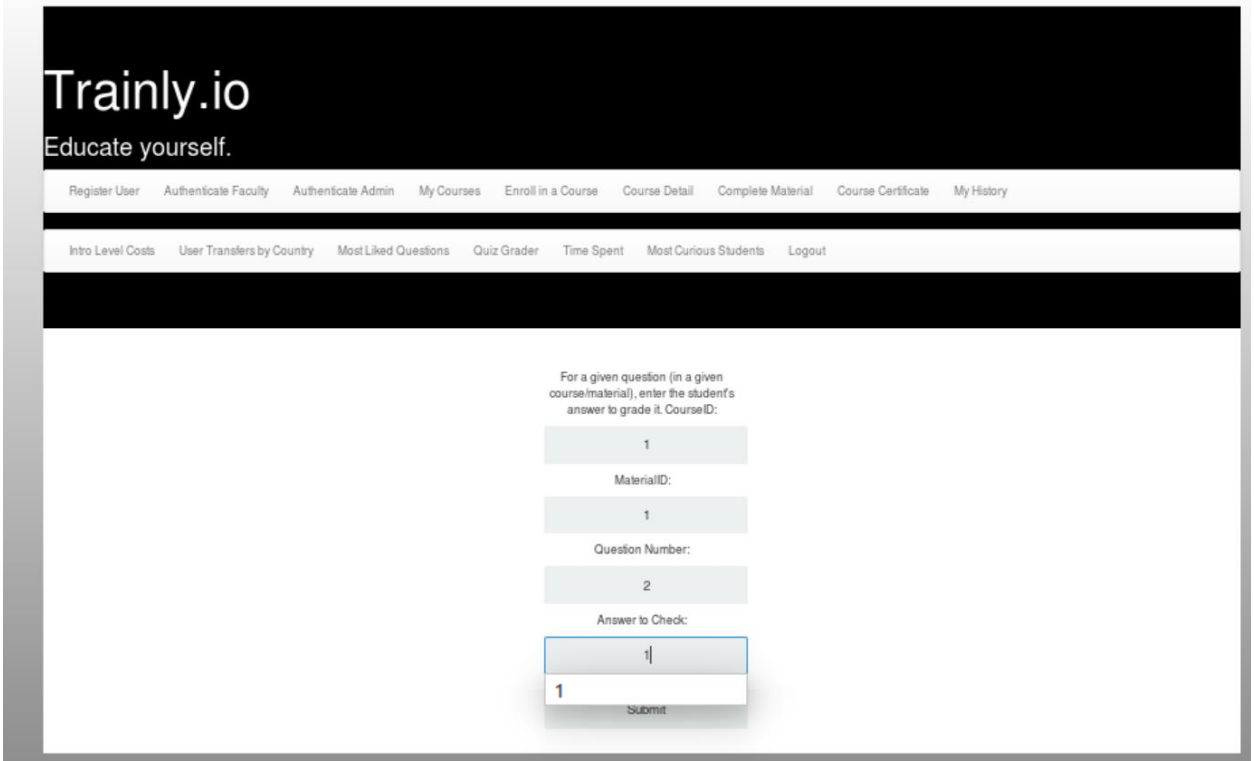


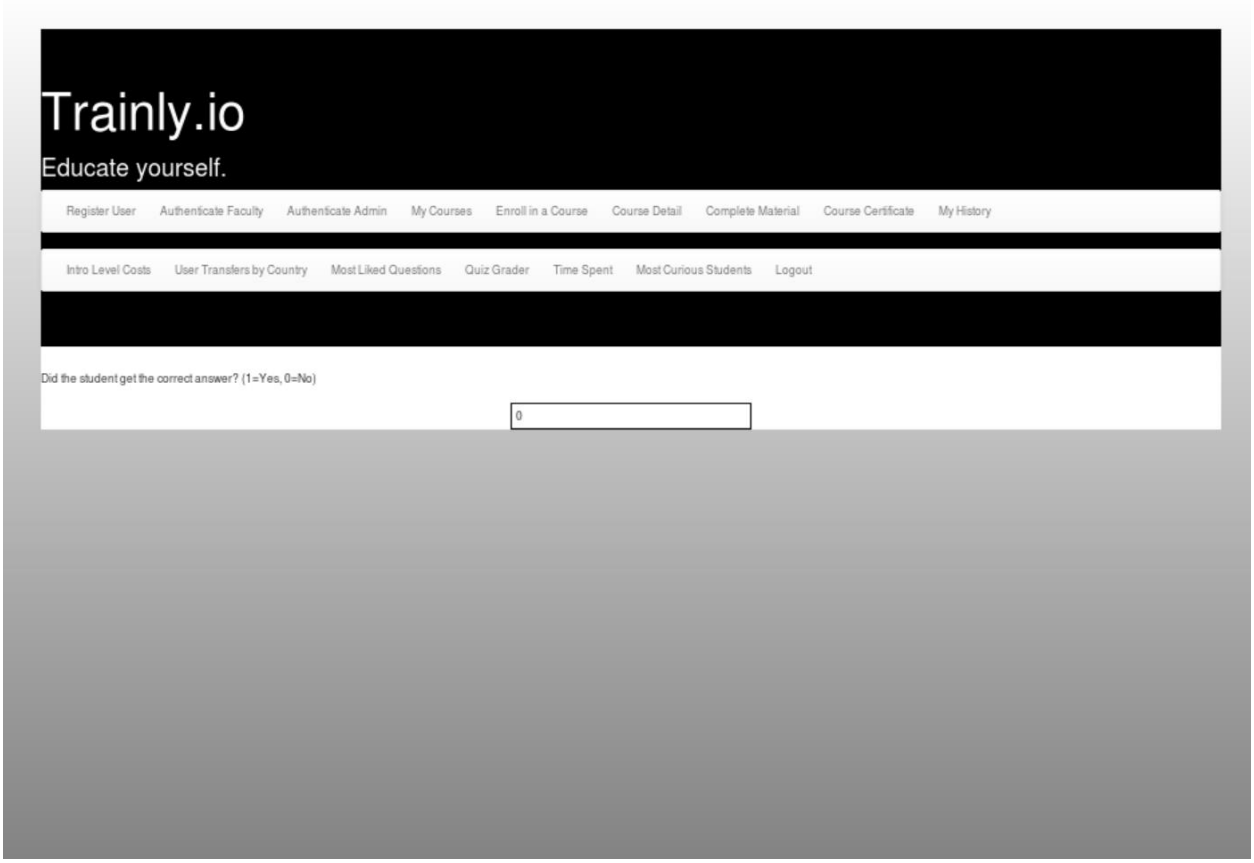
Report 3 – Most Liked Questions



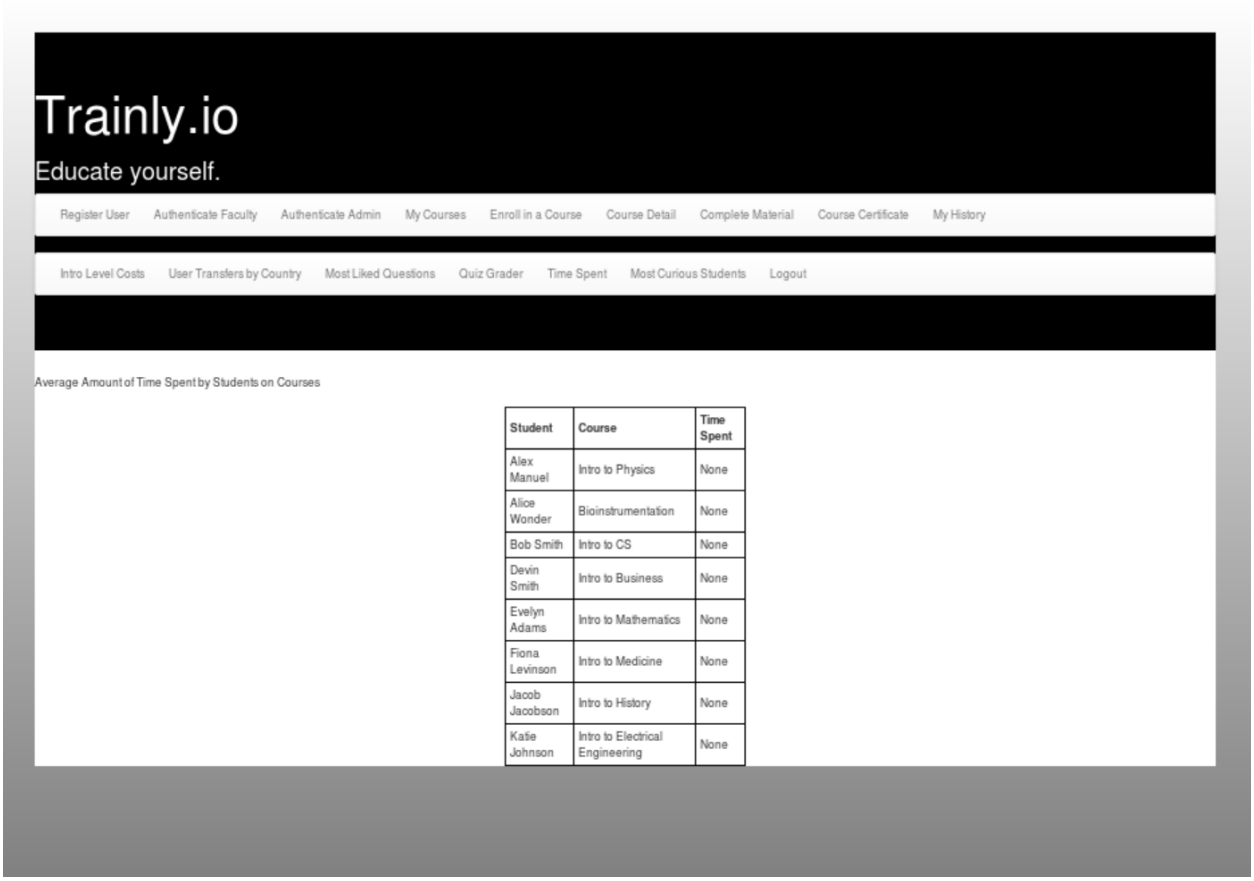
QuestionID	QuestionText	CourseName	Number_Like
1002	Any requirements for laptop to be considered?	Intro to CS	4
1000	Why is business important?	Bioinstrumentation	2
1003	Limit on the courses to register.?	Intro to CS	2
1004	Question related to physics.?	Intro to Physics	1
1005	Question related to chemistry	Intro to Chemistry	1
1006	Question related to math	Intro to Mathematics	1
1007	Question related to culture	Intro to Culture	1
1008	Question related to history	Intro to History	1
1009	Question related to pogramming	Intro to CS	1

Report 4 – Quiz Grader (Given the answer, tell whether it was correct or not):


Trainly.io
Educate yourself.
Register User
Authenticate Faculty
Authenticate Admin
My Courses
Enroll in a Course
Course Detail
Complete Material
Course Certificate
My History
Intro Level Costs
User Transfers by Country
Most Liked Questions
Quiz Grader
Time Spent
Most Curious Students
Logout
For a given question (in a given course/material), enter the student's answer to grade it. CourseID:
1
MaterialID:
1
Question Number:
2
Answer to Check:
1
1
Submit

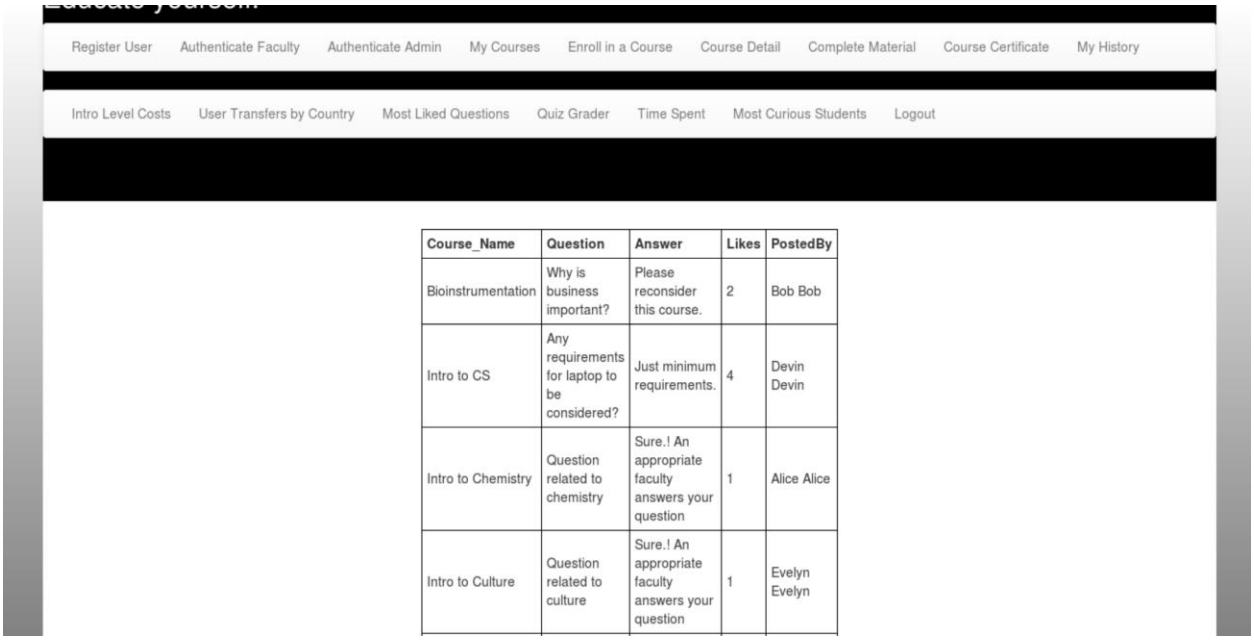


Report 5 – Average Time Spent



Student	Course	Time Spent
Alex Manuel	Intro to Physics	None
Alice Wonder	Bioinstrumentation	None
Bob Smith	Intro to CS	None
Devin Smith	Intro to Business	None
Evelyn Adams	Intro to Mathematics	None
Fiona Levinson	Intro to Medicine	None
Jacob Jacobson	Intro to History	None
Katie Johnson	Intro to Electrical Engineering	None

Report 6 (Bonus – Most Curious Students):



Course_Name	Question	Answer	Likes	PostedBy
Bioinstrumentation	Why is business important?	Please reconsider this course.	2	Bob Bob
Intro to CS	Any requirements for laptop to be considered?	Just minimum requirements.	4	Devin Devin
Intro to Chemistry	Question related to chemistry	Sure.! An appropriate faculty answers your question	1	Alice Alice
Intro to Culture	Question related to culture	Sure.! An appropriate faculty answers your question	1	Evelyn Evelyn