ONLINE TUTORING APPLICATION

Website Name: Edura

Group Members

Dhruvi S. Sonani (DXS210030)(Section: CS6314.001)
Parth H Sabhadiya (PXS210002)(Section: CS6314.001)
Renil Gangwal (RXG190069))(Section: CS6314.001)

Parth Sabhadiya

Contribution of each member:

Dhruvi Sonani

User sign up, user sign in, user sign up from validation, Check if password is strong enough with its rule, List of all tutors and search bar for specific tutor name or given subject.

Renil Gangwal

Schedule appointment with tutor by checking working hours and previously booked appointment. Users and tutors upcoming appointment along with it details.

Parth Sabhadiya

He worked on add, remove and access functionality user's favorite list of tutors, rate a tutor, tutor's feedback, tutor's sign-up, details add, update

We've collectively worked on Mongo DB schema of this project, post that we've divided tasks among ourselves and implemented the tasks end to end (including frontend, backend and DB)

Project Description:

The project is "Online Tutoring Application" web application which provides a platform for students to schedule appointment with tutor for learning different subjects. Student can add/remove tutors to their favorites also can provide feedback/comments to tutor. Tutor can sign-up for tutor account and can enter detailed information like Subject List, About Me, Working Hours, Upload Picture etc.

Technologies Used:

Front-End: React.Js, HTML, SCSS, Bootstrap

Back-End: Node.JS, Express.JS

Database: MongoDB Atlas

Database Design:

We used MongoDB for database implementation and saved data on it.

Courses Model:

```
{
  value: {type: Number},
  label: {type: String},
  days: [{type: String}]
}
```

Students Model:

```
{
  firstName: {type: String},
  lastName: {type: String},
  Address: {type: String},
  email: {type: String},
  Phone: {type: Number},
  courses: [{type: ObjectId,
  reference: Course}]
}
```

Feedback Model:

```
{
  tutorId: {type: ObjectId, reference: Tutor},
  studentId: {type: ObjectId, reference: Student},
  rate: {type: Number},
  desc: {type: String}
}
```

Appointments Model:

```
{
  courseId: {type: ObjectId, reference: Course},
  date: {type: Date},
  startTime: {type: Number},
  endTime: {type: Number},
  mode: {
    value: {type: String},
    label: {type: String}
  },
  location: {type: String},
  studentId: {type: ObjectId, reference: Student},
  tutorId: {type: ObjectId, reference: Tutor},
  isAvailable: {type: Boolean, default: True}
}
```

Tutor Model:

```
{
  about:{type: String},
  image: {type: String},
  rating: {type: String},
  courses: [{type: ObjectId,  reference: Course}],
  availability: [{type: String}],
  email: {type: String},
  fname: {type: String},
  lname: {type: String},
  name: {type: String}
}
```

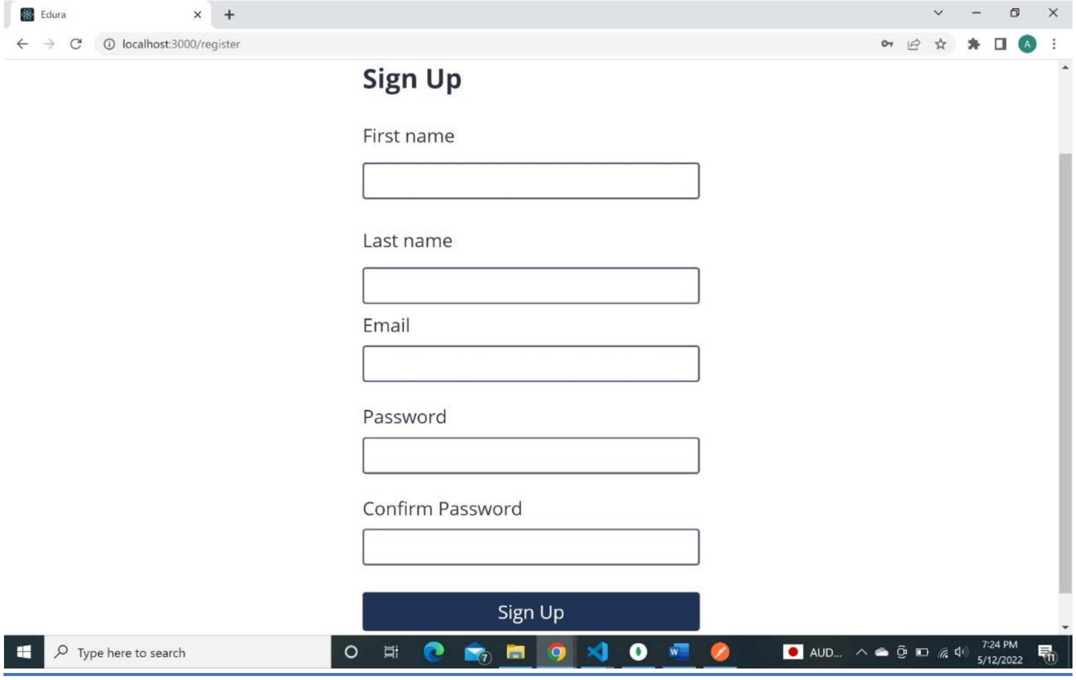
Favorites Model:

```
{
  tutorId: {type: ObjectId, reference: Tutor},
  studentId: {type: ObjectId, reference: Student},
}
```

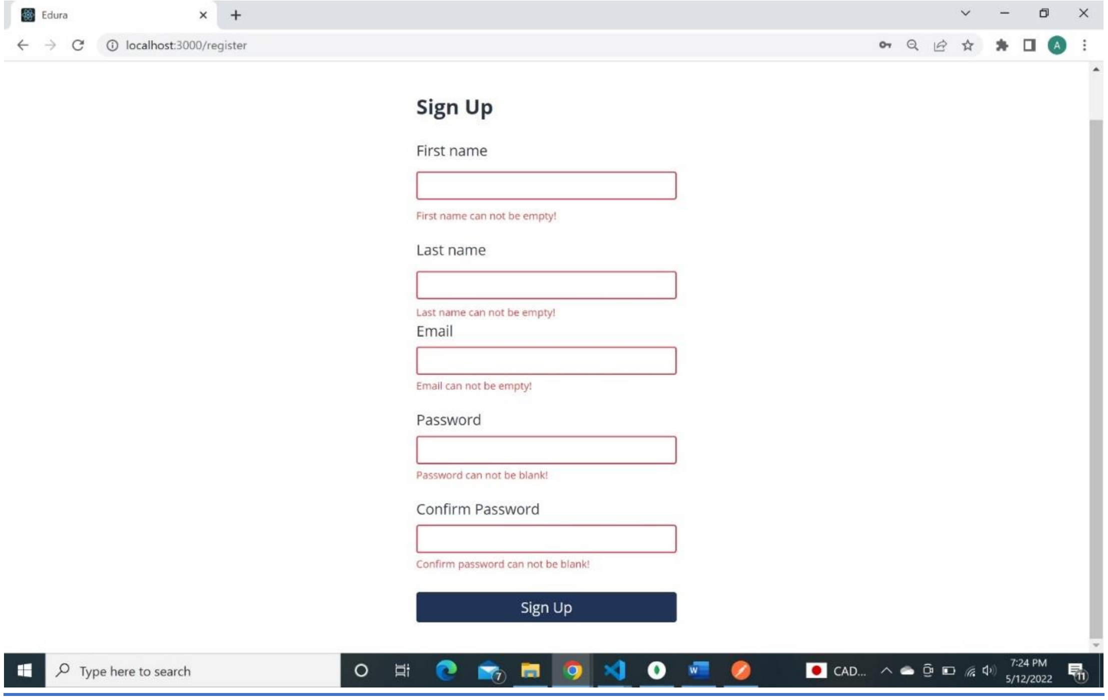
Authentication Model:

```
{
  email: {type: String},
  pwd: {type: String},
  role: {type: Number},
  userId: {type: ObjectId,
reference: Student/Tutor}
}
```

1. User Signup: User can register by providing details.



User cannot leave field blank while registering



First name can not be empty!

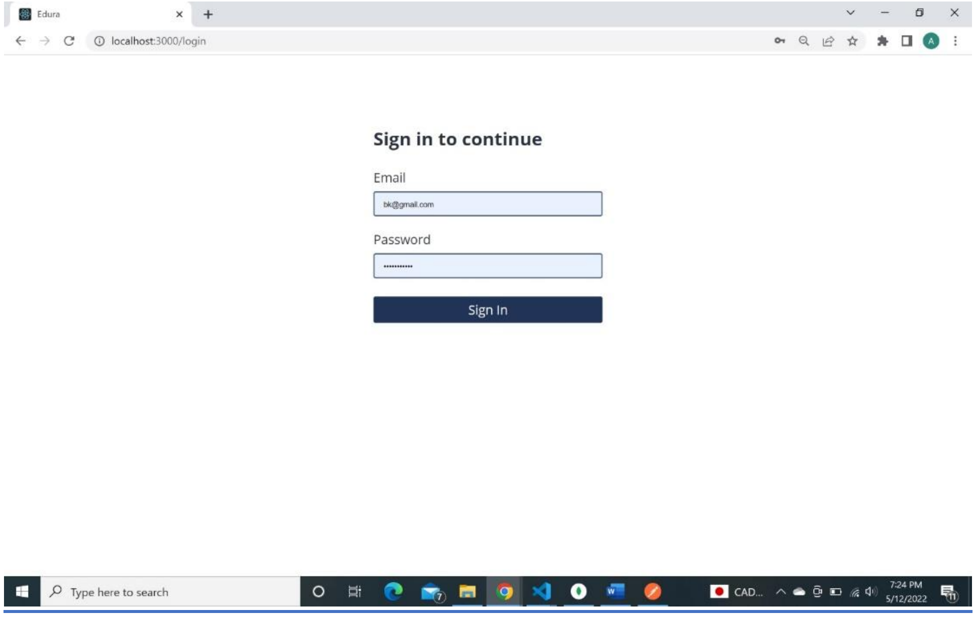
Last name can not be empty!

Email can not be empty!

Password can not be blank!

Confirm password can not be blank!

2. User can login with their existing details of email and password

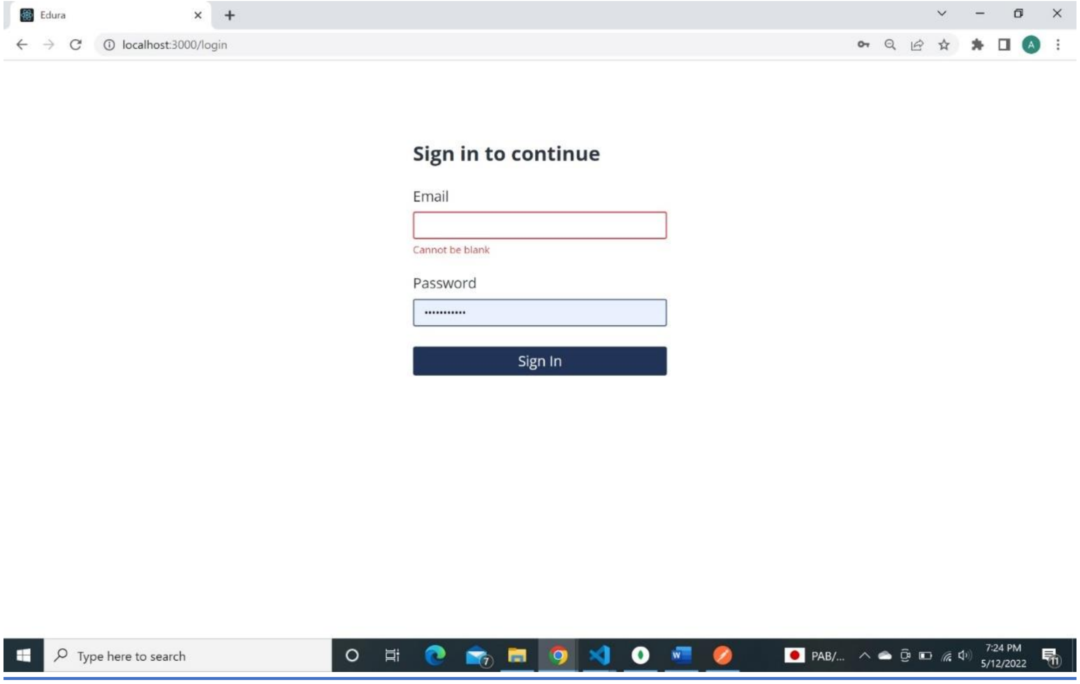


Sign in to continue

Email: bk@gmail.com

Password: ••••••••••

User cannot leave Email blank



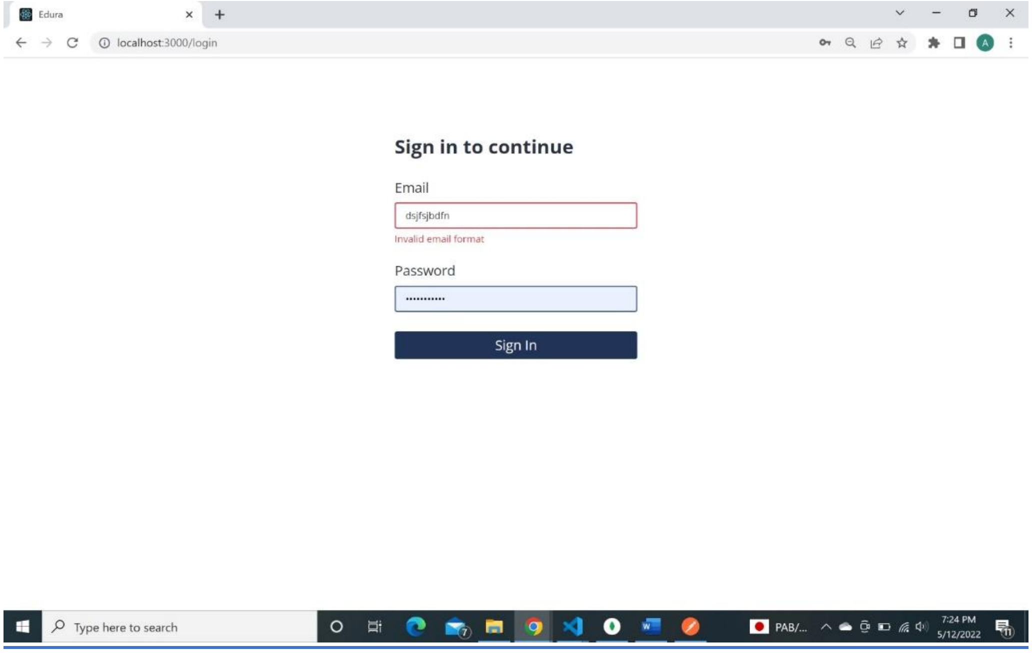
Sign in to continue

Email:

Cannot be blank

Password: •••••••••••

User have to provide a valid email address



Sign in to continue

Email

dsjfsjbdfn

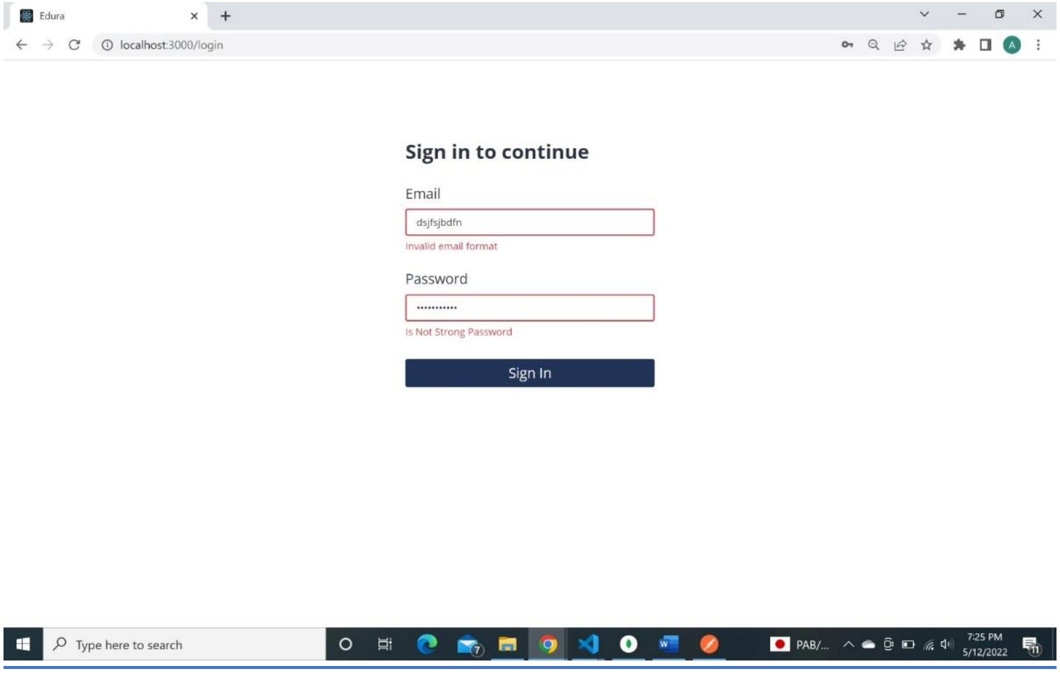
Invalid email format

Password

•••••••••••

Sign In

System will check whether password is strong enough or not.



Sign in to continue

Email

dsjfsjbdfn

Invalid email format

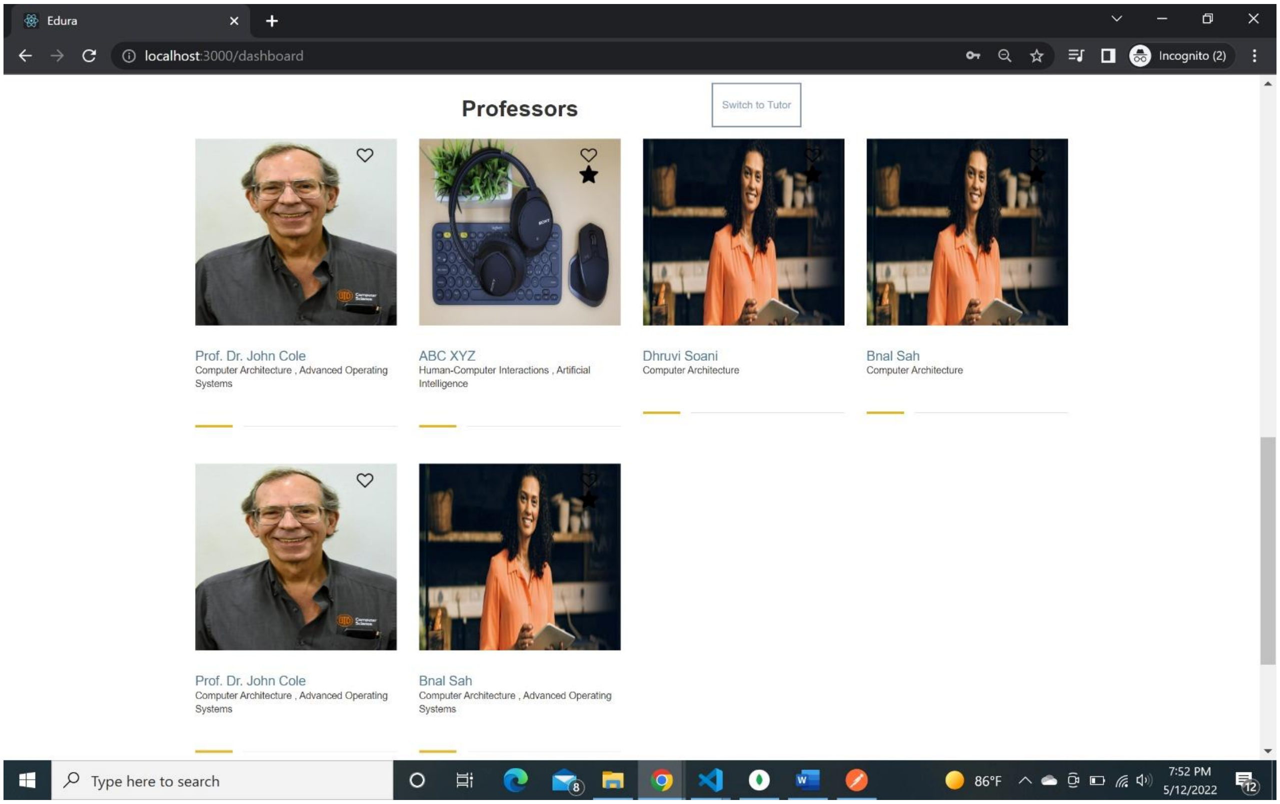
Password

•••••••••••

Is Not Strong Password

Sign In

3. List of all Tutors in the system.



Professors

Switch to Tutor

Prof. Dr. John Cole
Computer Architecture , Advanced Operating Systems

ABC XYZ
Human-Computer Interactions , Artificial Intelligence

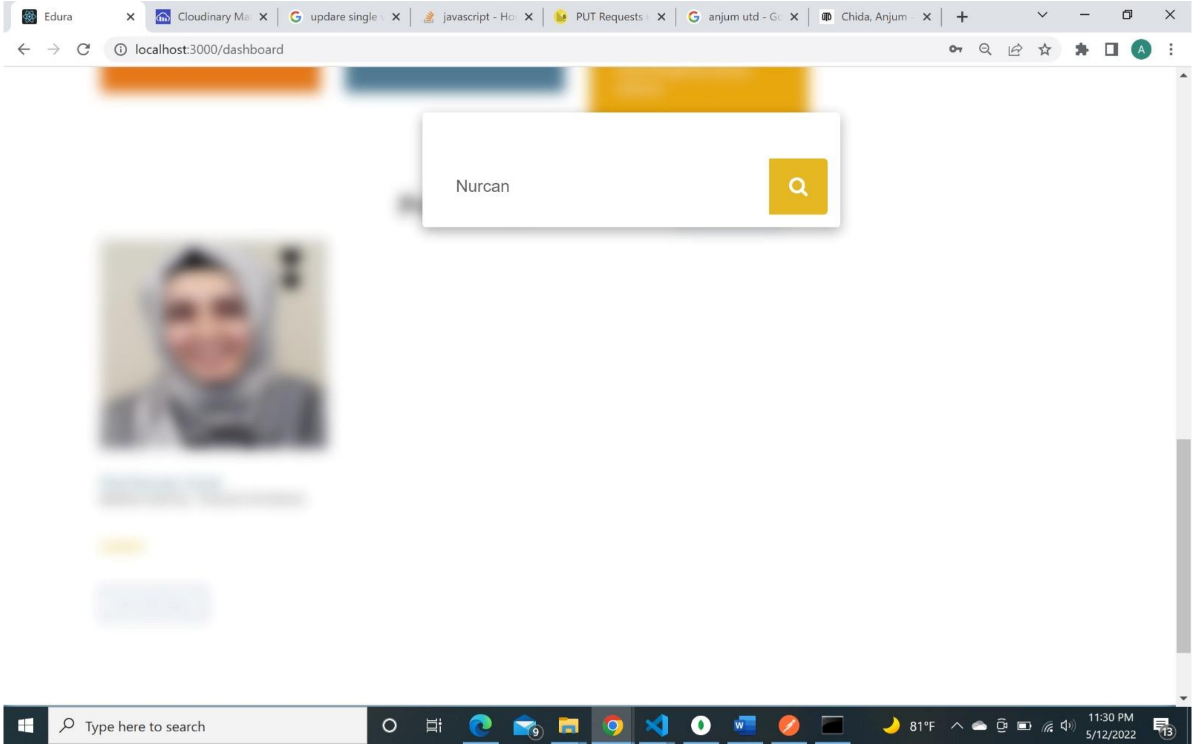
Dhruvi Soani
Computer Architecture

Bnal Sah
Computer Architecture

Prof. Dr. John Cole
Computer Architecture , Advanced Operating Systems

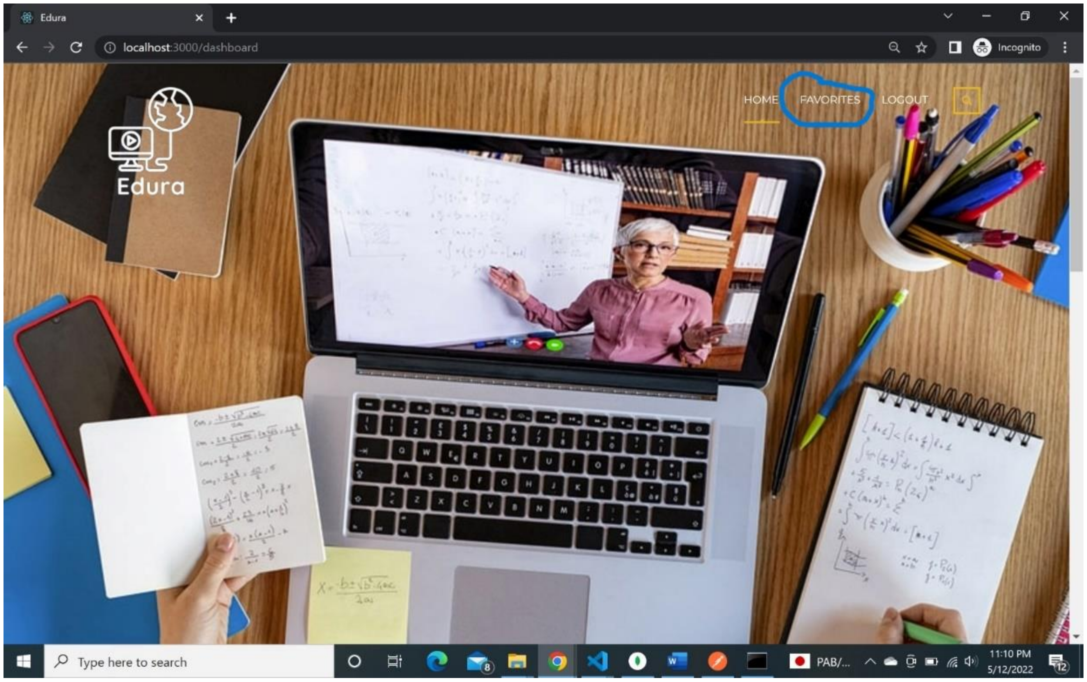
Bnal Sah
Computer Architecture , Advanced Operating Systems

Search for specific tutor name or given subject.

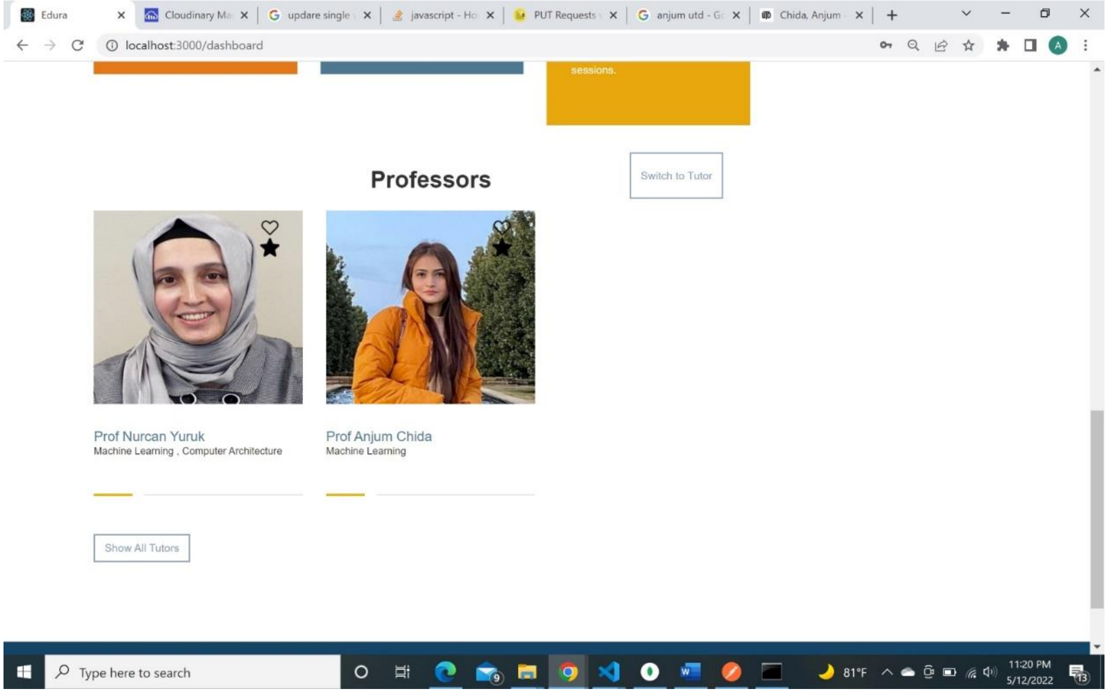


Nurcan

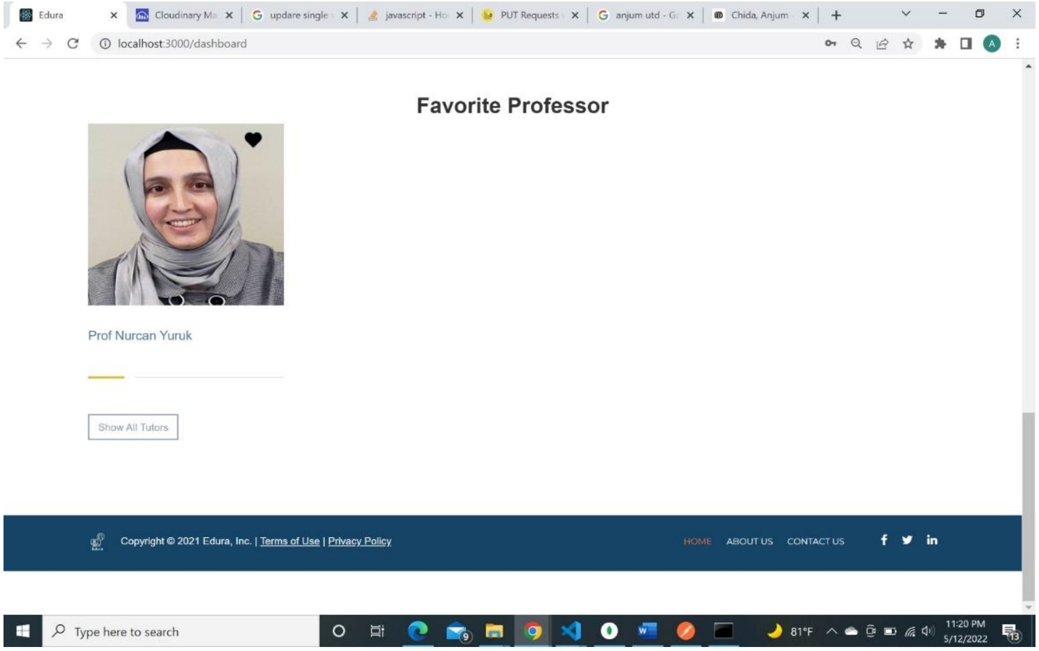
4. Student able to add, access and remove tutors into the favorites list.



After click on favorite student can see tutors



Then student can make tutor as favorite by clicking button of favorite.



Favorite Professor

Prof Nurcan Yuruk

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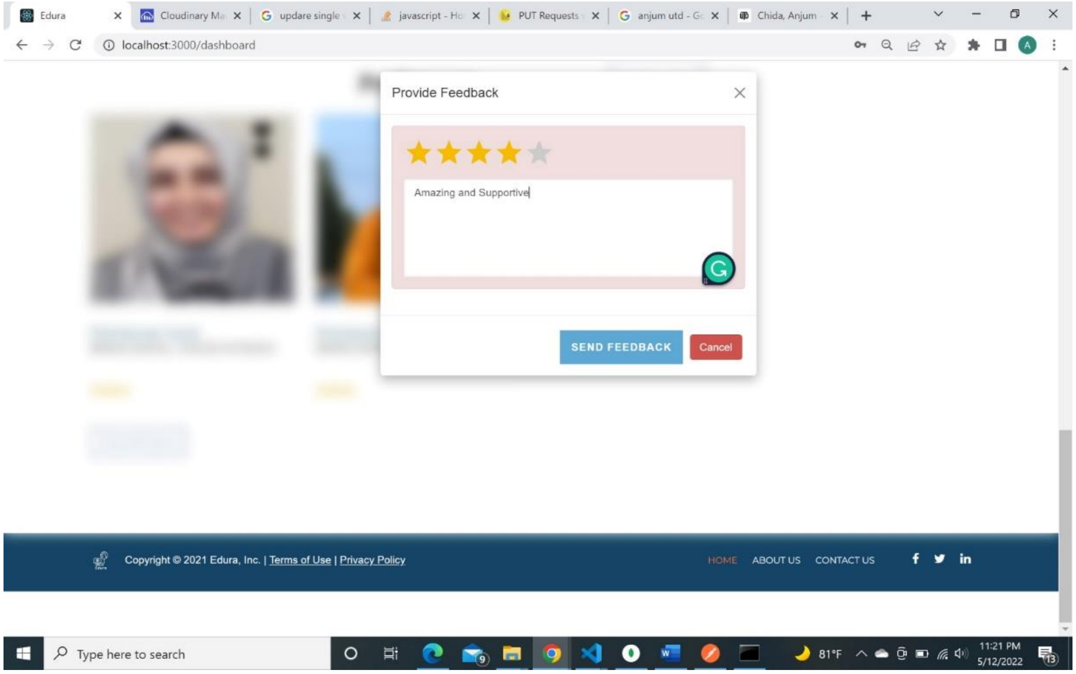
5. Students give rate tutor and also enter their feedback



Provide Feedback

★★★★☆

Amazing and Supportive

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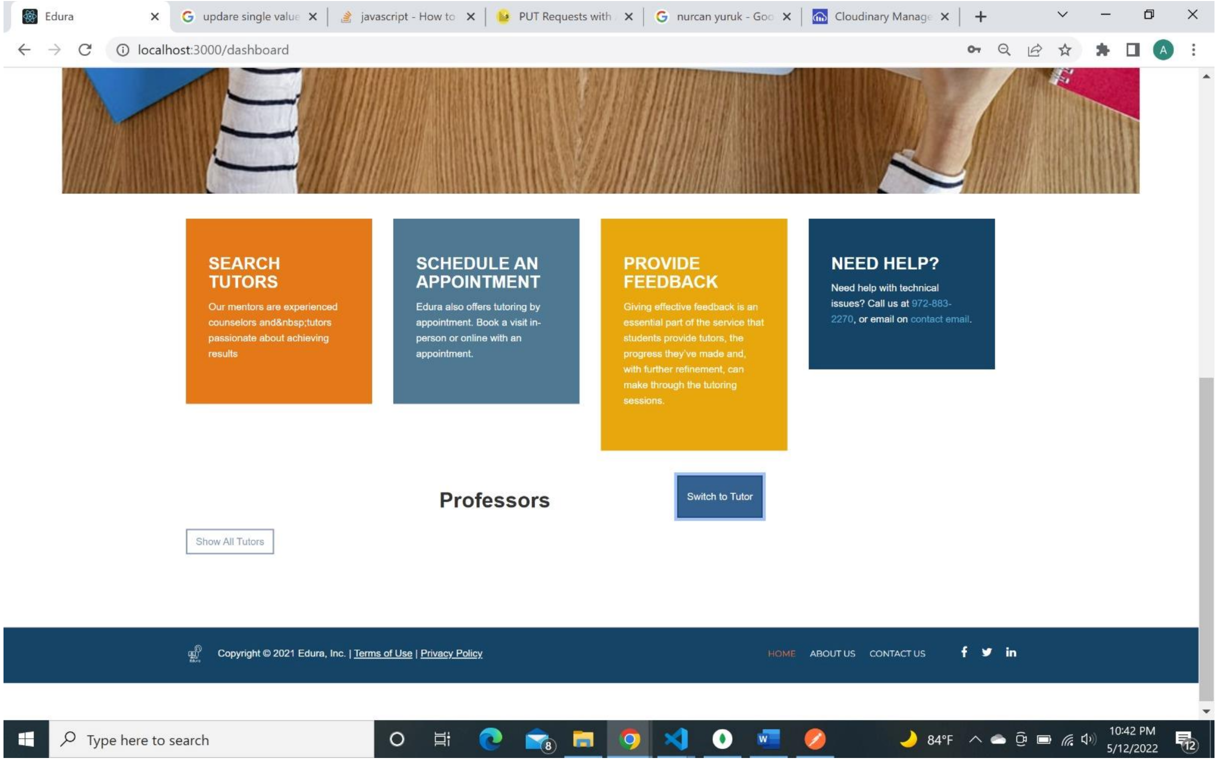
6. After login as student if He/She wants too switch as Tutor then He/She can update information about him/her with existing email id. And Tutor's profile photo will be store in database.



SEARCH TUTORS

Our mentors are experienced counselors and tutors passionate about achieving results

SCHEDULE AN APPOINTMENT

Edura also offers tutoring by appointment. Book a visit in-person or online with an appointment.

PROVIDE FEEDBACK

Giving effective feedback is an essential part of the service that students provide tutors, the progress they've made and, with further refinement, can make through the tutoring sessions.

NEED HELP?

Need help with technical issues? Call us at 972-883-2270, or email on contact email.

Professors

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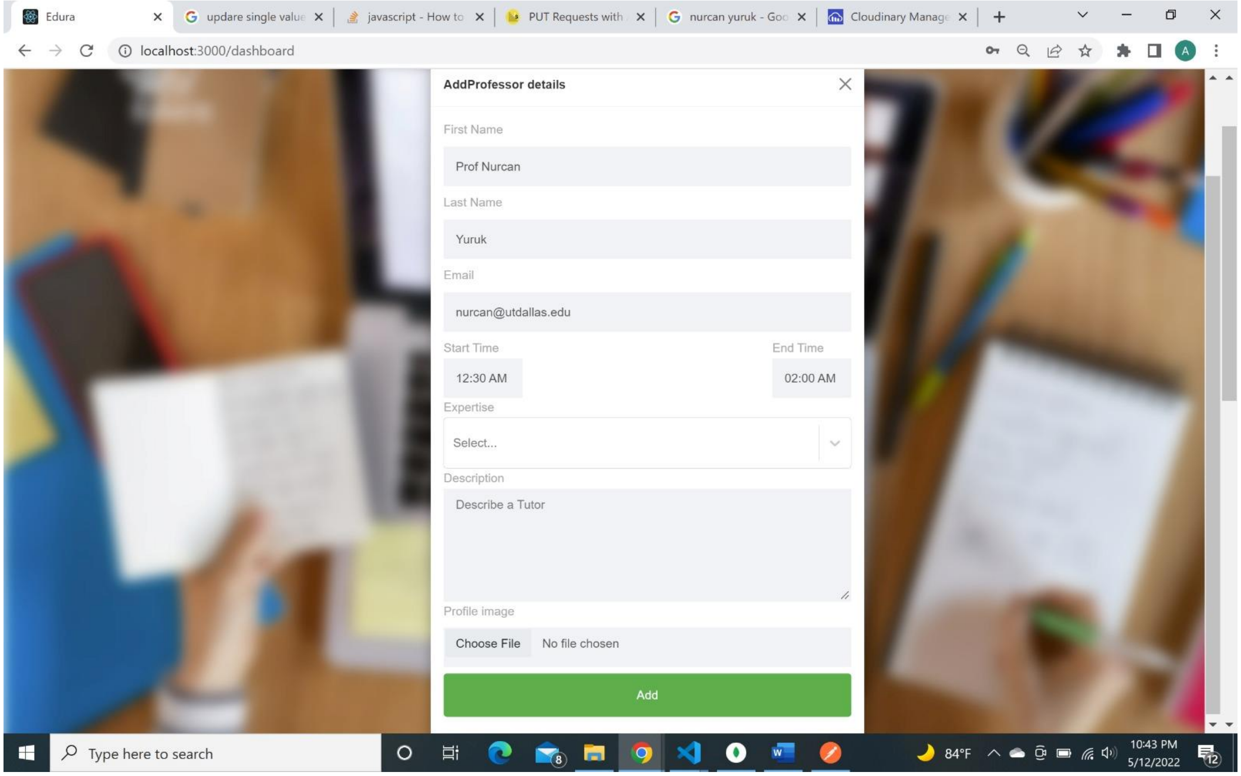
After click on switch, update profile details form will be pop-up.



AddProfessor details

First Name: Prof Nurcan

Last Name: Yuruk

Email: nurcan@utdallas.edu

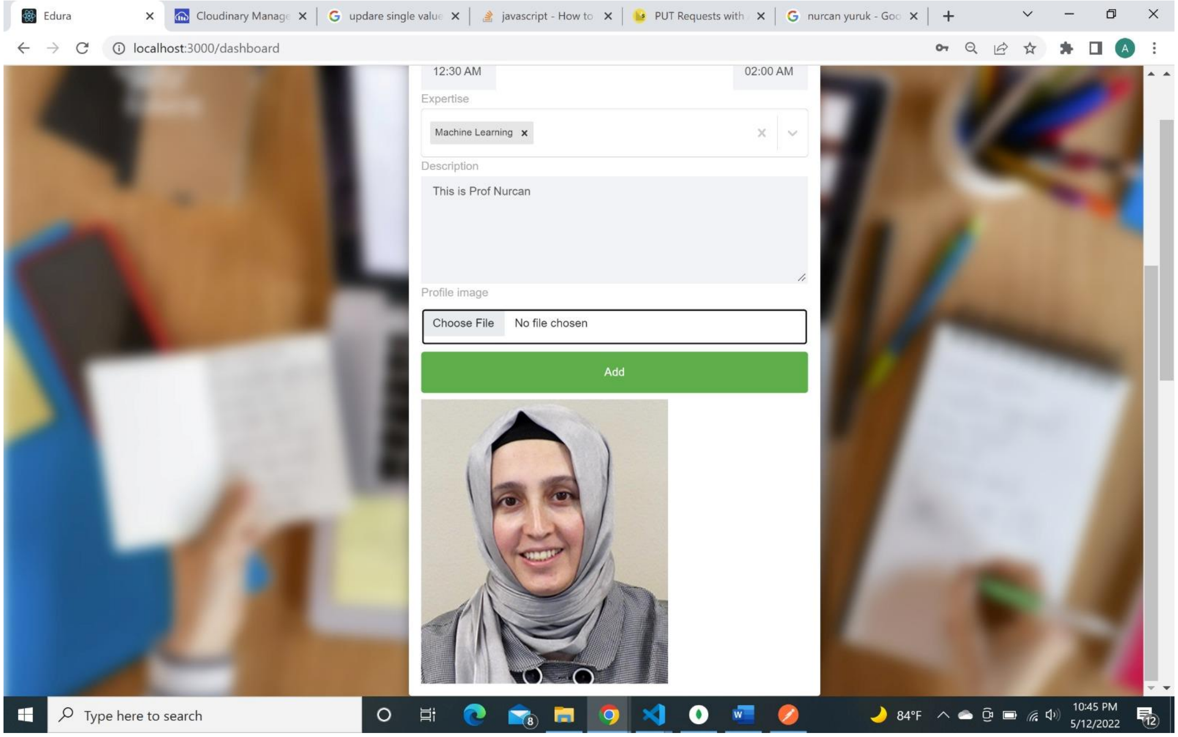
Start Time: 12:30 AM

End Time: 02:00 AM

Expertise: Select...

Description: Describe a Tutor

Profile image: Choose File No file chosen



12:30 AM 02:00 AM

Expertise

Machine Learning

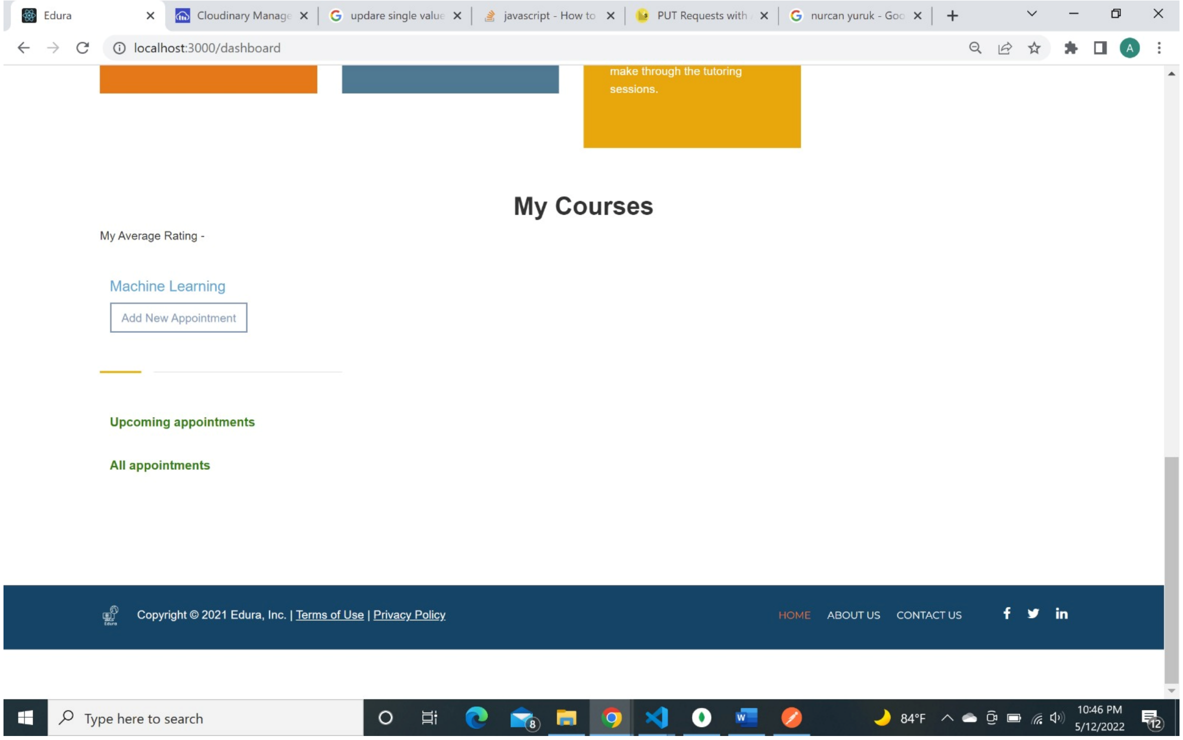
Description

This is Prof Nurcan

Profile image

Choose File No file chosen

After switching to tutor, tutor can see page like this.



make through the tutoring sessions.

My Courses

My Average Rating -

Machine Learning

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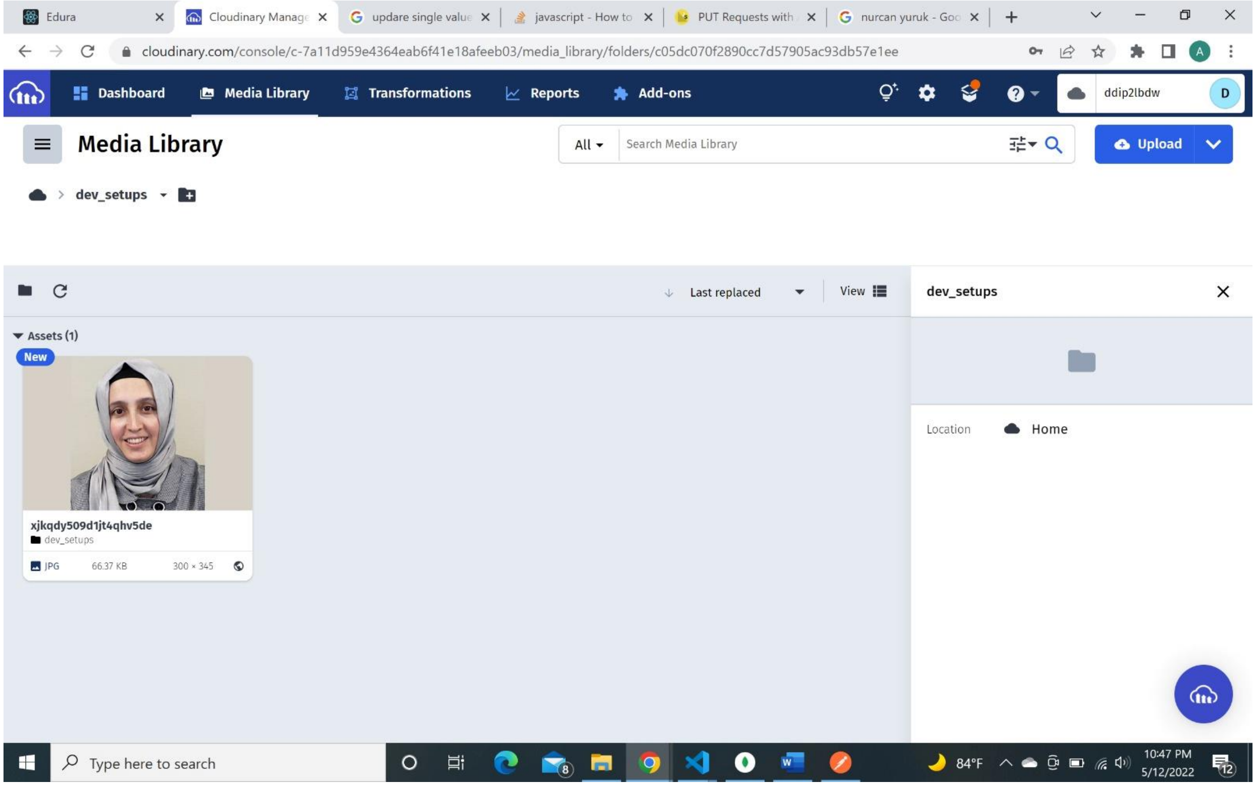
We stored profile photo of tutor in database.



Media Library

dev_setups

Assets (1)

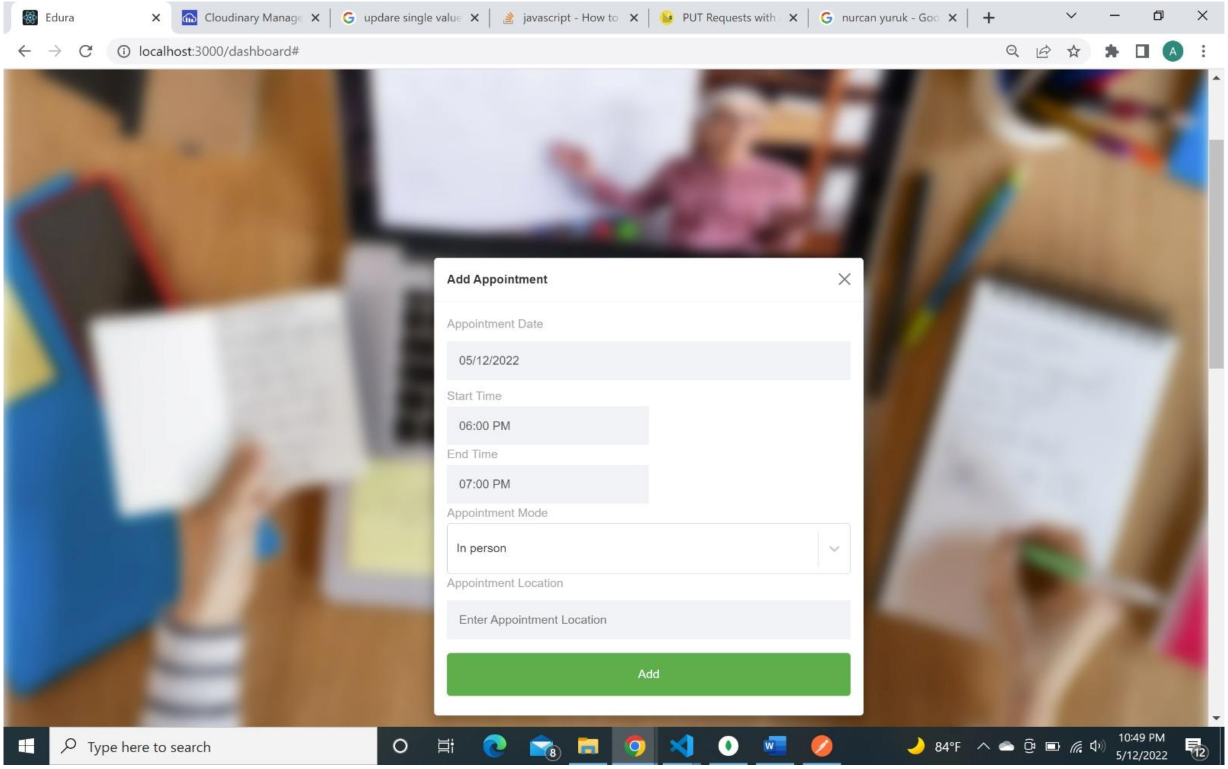
New

xjkqdy509d1jt4qhv5de
dev_setups
JPG 66.37 KB 300 × 345

dev_setups

Location Home

7. Student able to make appointments with a tutor by checking availability of tutor



Add Appointment

Appointment Date: 05/12/2022

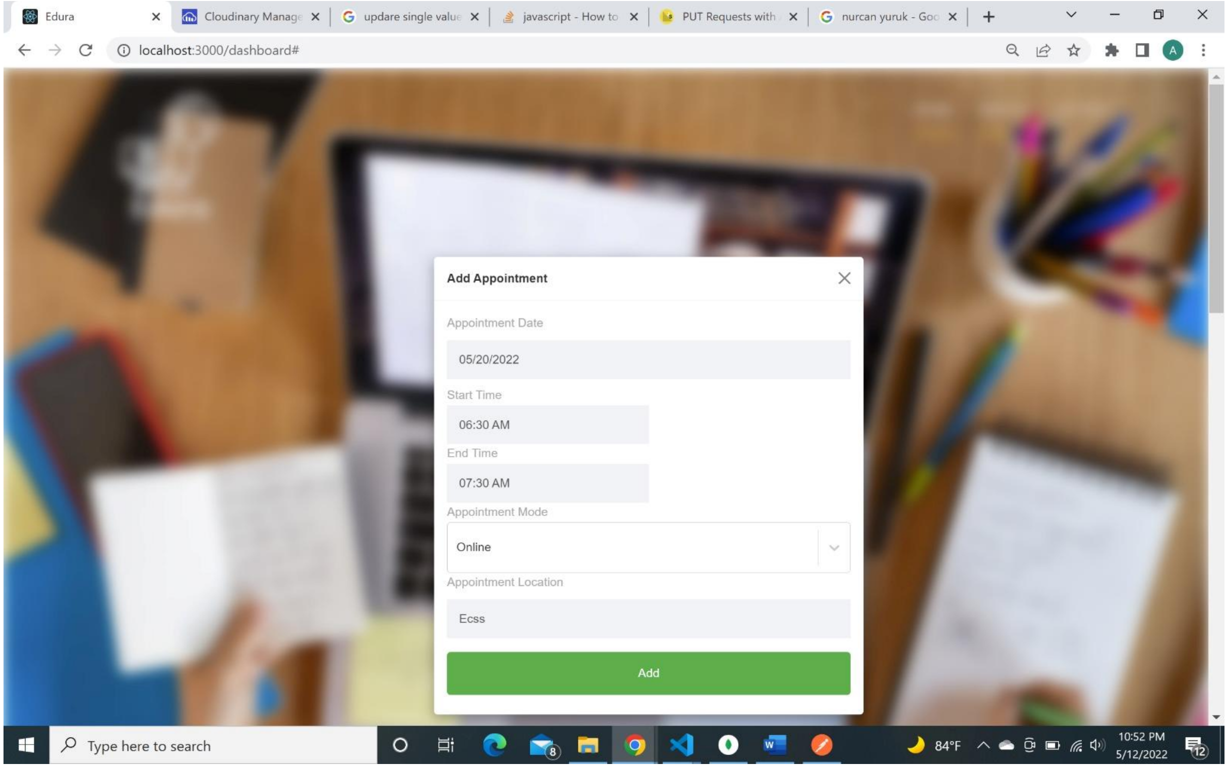
Start Time: 06:00 PM

End Time: 07:00 PM

Appointment Mode: In person

Appointment Location: Enter Appointment Location

Student can select appointment mode as online too.



Add Appointment

Appointment Date: 05/20/2022

Start Time: 06:30 AM

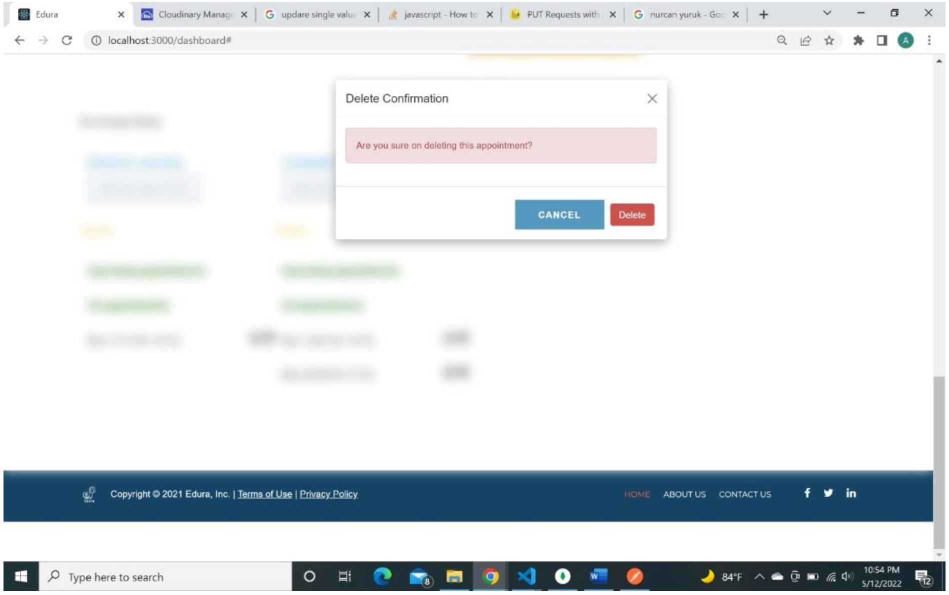
End Time: 07:30 AM

Appointment Mode: Online

Appointment Location: Ecss

Add

Student can delete appointment



Delete Confirmation

Are you sure on deleting this appointment?

CANCEL Delete

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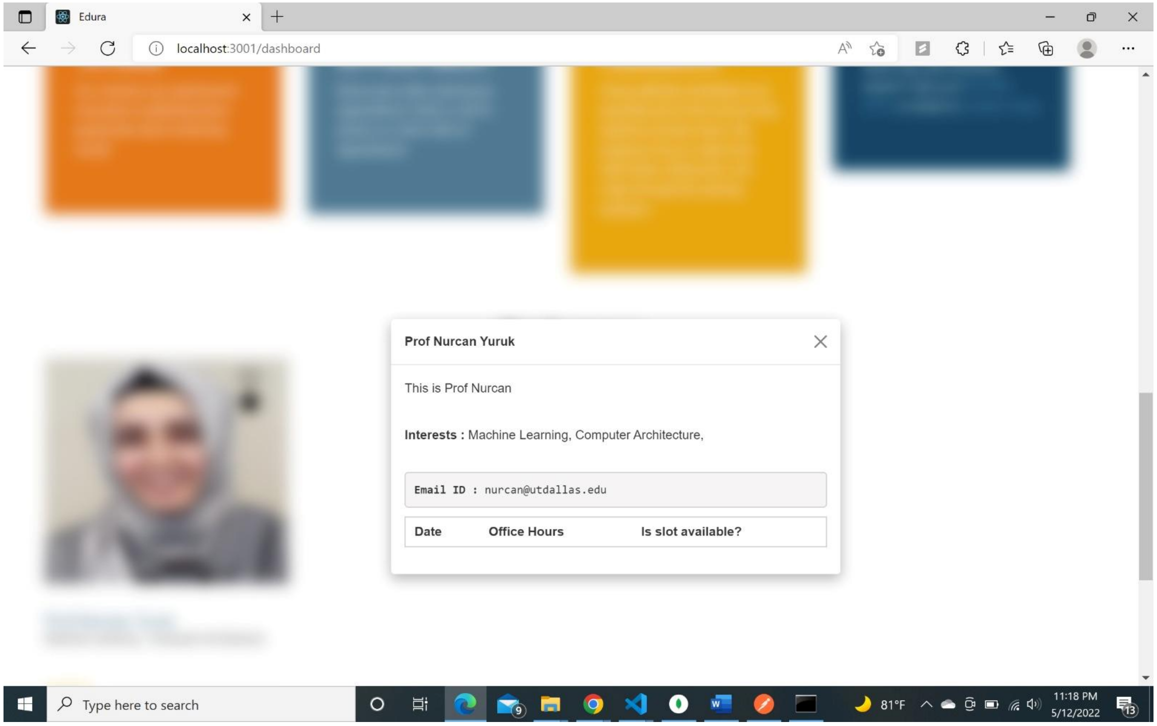
If Tutor has already schedule appointment with other student or not available then student cannot able to book appointment.



Prof Nurcan Yuruk

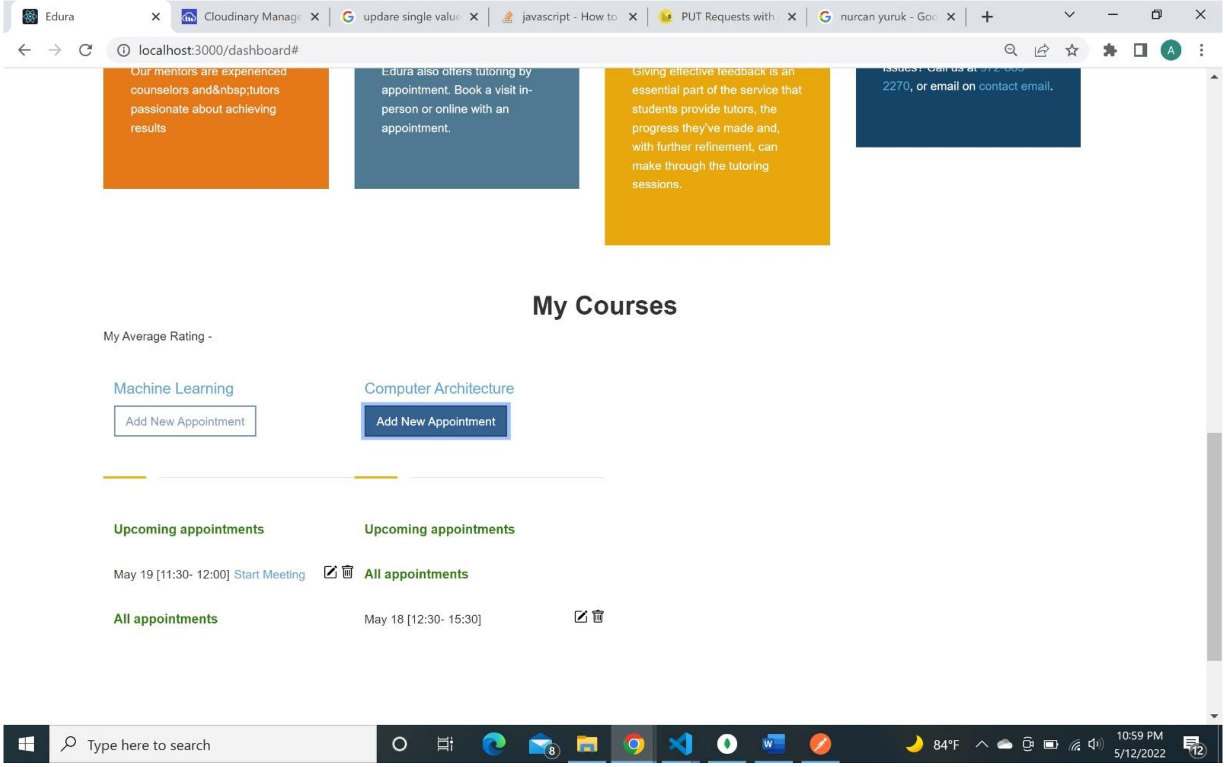
This is Prof Nurcan

Interests : Machine Learning, Computer Architecture,

`Email ID : nurcan@utdallas.edu`

Date	Office Hours	Is slot available?

8. Students and Tutors, upcoming appointments listed with name, date and time information



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Giving effective feedback is an essential part of the service that students provide tutors, the progress they've made and, with further refinement, can make through the tutoring sessions.

issues? Call us at 972-883-2270, or email on contact email.

My Courses

My Average Rating -

Machine Learning

Add New Appointment

Upcoming appointments

May 19 [11:30- 12:00] Start Meeting

All appointments

Computer Architecture

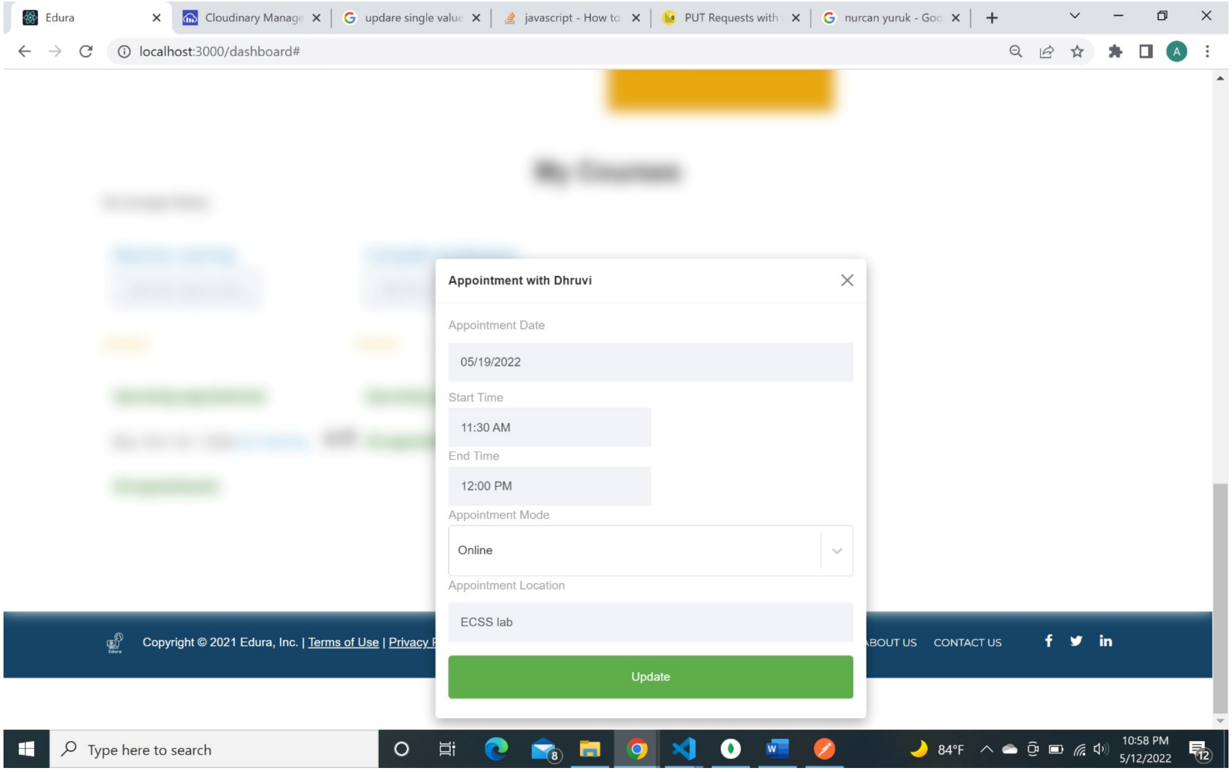
Add New Appointment

Upcoming appointments

All appointments

May 18 [12:30- 15:30]

By clicking on upcoming appointment we can see name, date, time



Appointment with Dhruvi

Appointment Date

05/19/2022

Start Time

11:30 AM

End Time

12:00 PM

Appointment Mode

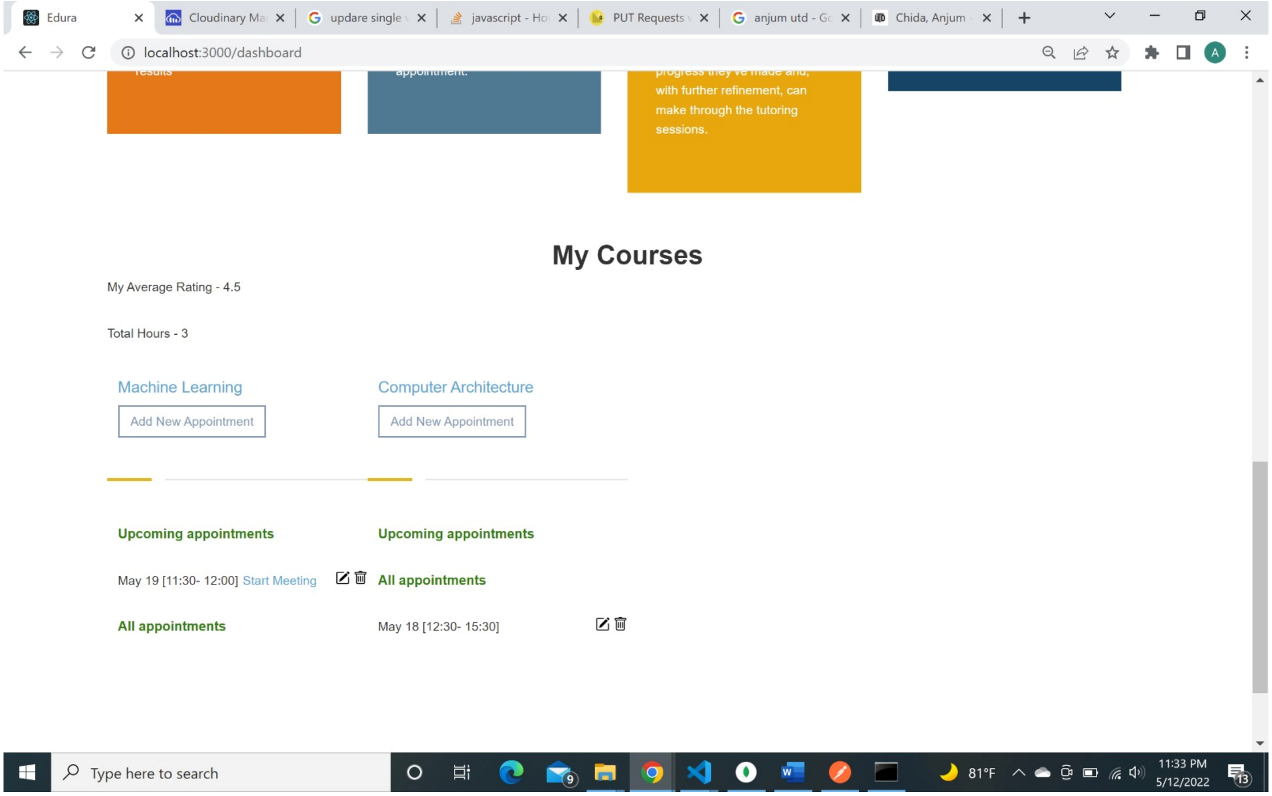
Online

Appointment Location

ECSS lab

Update

9. Students and Tutors total tutoring hours completed shown. And tutors average rating shown.



My Courses

My Average Rating - 4.5

Total Hours - 3

Machine Learning

Add New Appointment

Upcoming appointments

May 19 [11:30- 12:00] Start Meeting

All appointments

Computer Architecture

Add New Appointment

Upcoming appointments

All appointments

May 18 [12:30- 15:30]

Video Link : https://drive.google.com/drive/folders/1_qBIPDOyZMt1xLA1GRcq0LN_V1UevJA-?usp=sharing