

## **Name for the Website:** TeachMe

## **Team Members:**

1. Mohamed Abrar (MXA190079)
2. Mugdha Chindhe (MXC210033)
3. Rajat Dwivedi (RXD200041)

## **Database Design:**

### **Users:**

```
{  
  
  "_id": "627d6afdbd8e4c35342a841a",  
  
  "username": "Rajat",  
  
  "email": "rajat@gmail.com",  
  
  "password": "$2b$10$3Qj8U/leu3eAK.j87ZfkeutU79Qej93gjkGzs7damK.hWnnWkHavy"  
  
}
```

Password is hashed and encrypted and saved in the database.

### **Tutors:**

```
{  
  
  "_id": "627d6ea024ecdd496c2165e6",  
  
  "name": "Nurcan Yuruk",  
  
  "picture": "https://www.cmu.edu/tepper/facultyphotos/large/moseleyb-min.jpg",  
  
  "about_me": "I am a WPL teacher",  
  
  "rating": "5.0",  
  
  "from": "Dallas, TX",  
  
  "experience": "Medium",  
  
}
```

```
"subject": "WPL",

"working_hours": "1-2PM",

"certificates": "A+",

"availability": {

    "1100": false,

    "1130": false,

    "1200": false,

    "1230": false,

    "1330": false,

    "1400": false,

    "1430": false,

    "1500": false,

    "1530": false,

    "1600": false,

    "1630": false

}

}
```

Initially Tutors availability times are defined as False which is set to True when a User schedules an appointment with the tutor.

If a user tries to book an appointment then the backend code first checks if the slot is available or not by looking at the value. If the value is false it means that the slot is available and its changed to true and an appointment is booked. Else it returns slot not available.

## Appointments

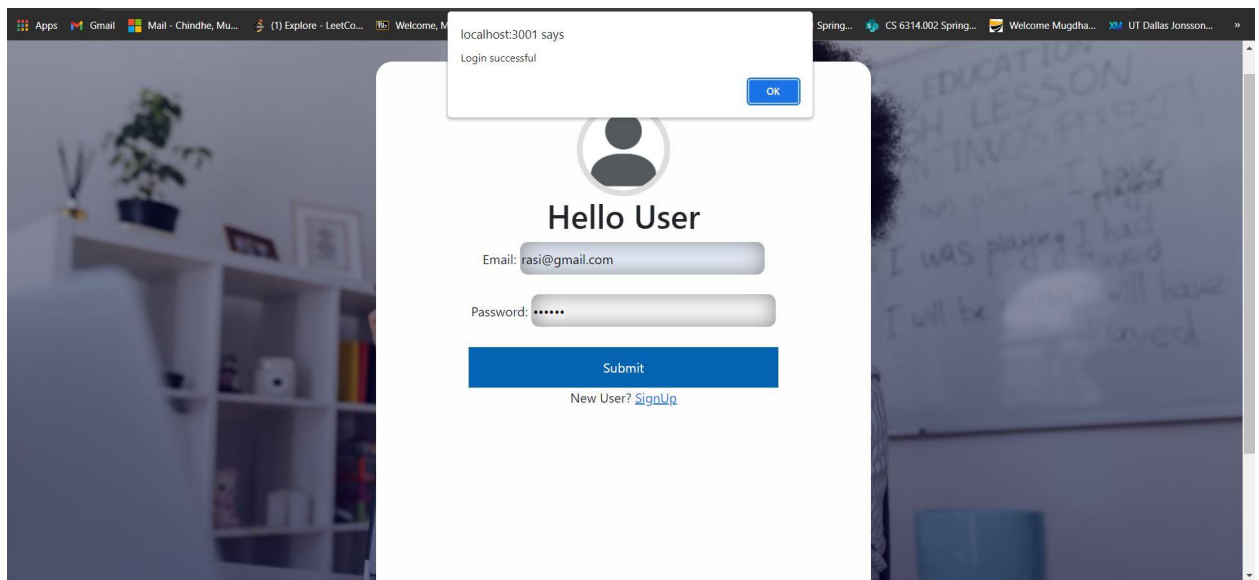
```
{  
  
  "_id": "627d6d17bd8e4c35342a841b",  
  
  "tutor_name": "Nurcan Yuruk",  
  
  "availability": {  
  
    "1100": false,  
  
    "1130": false,  
  
    "1200": false,  
  
    "1230": true,  
  
    "1330": false,  
  
    "1400": false,  
  
    "1430": false,  
  
    "1500": false,  
  
    "1530": false,  
  
    "1600": false,  
  
    "1630": false  
  
  },  
  
  "bookings": [  
  
    {  
  
      "date": "2022-05-24",  
  
      "time": "1230",  
  
      "student_name": "Mugdha Chindhe",  
  
      "course_name": "Web Programming Languages"  
  
    }  
  
  ]  
}
```

}

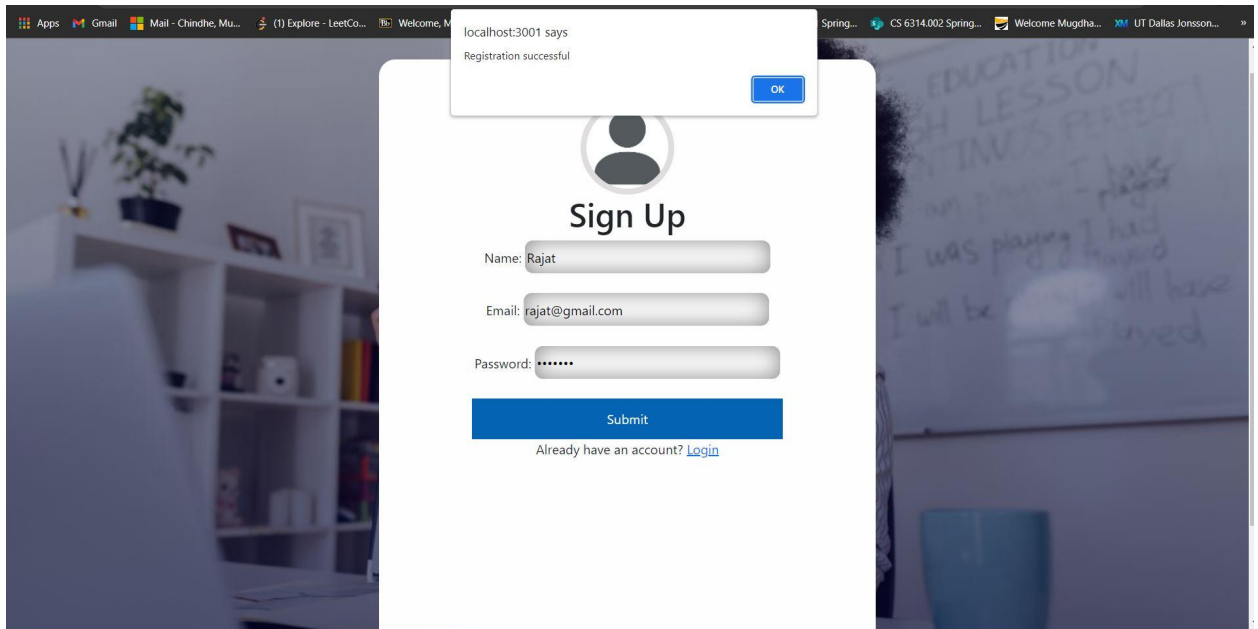
Appointments is a document collection mapping Tutor with the student which is updated whenever a user schedules an appointment.

## **Screenshots for main functionalities**

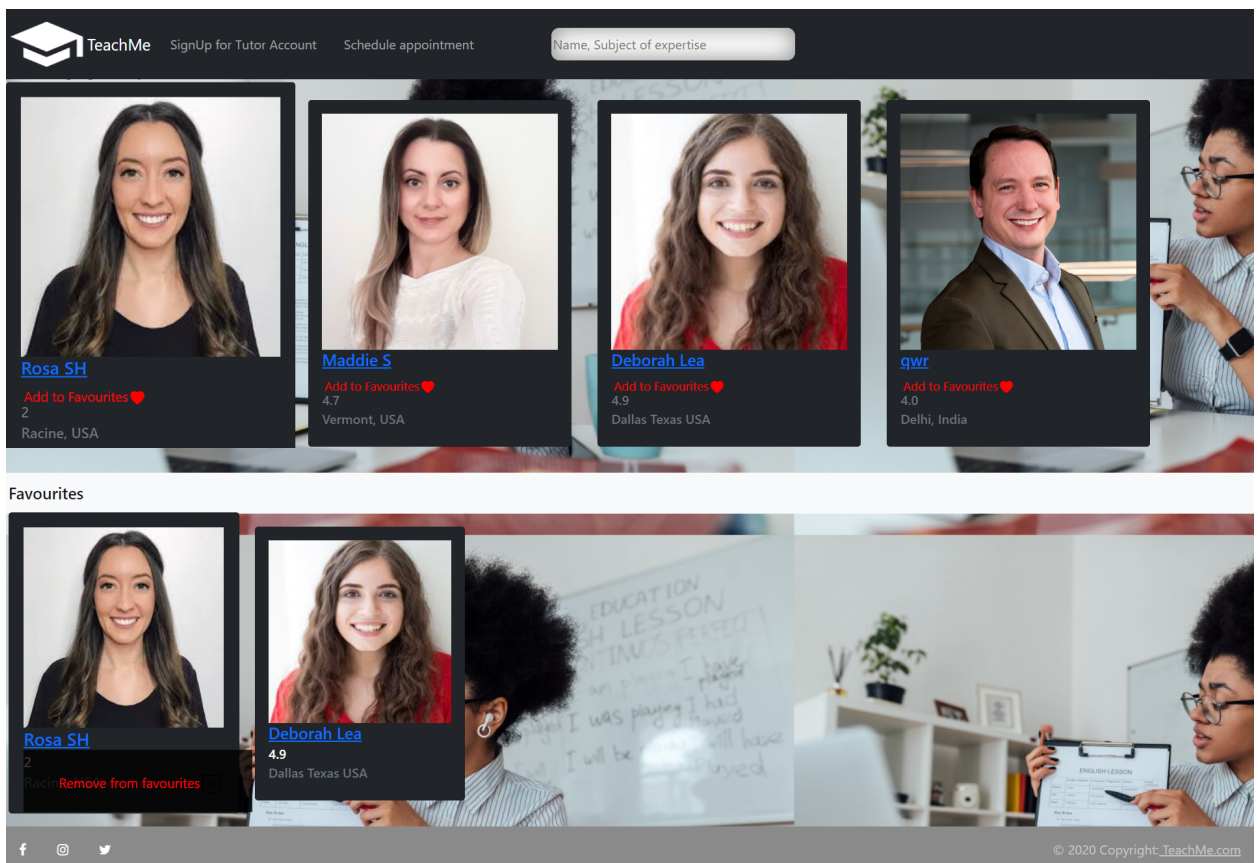
- **Login Page**



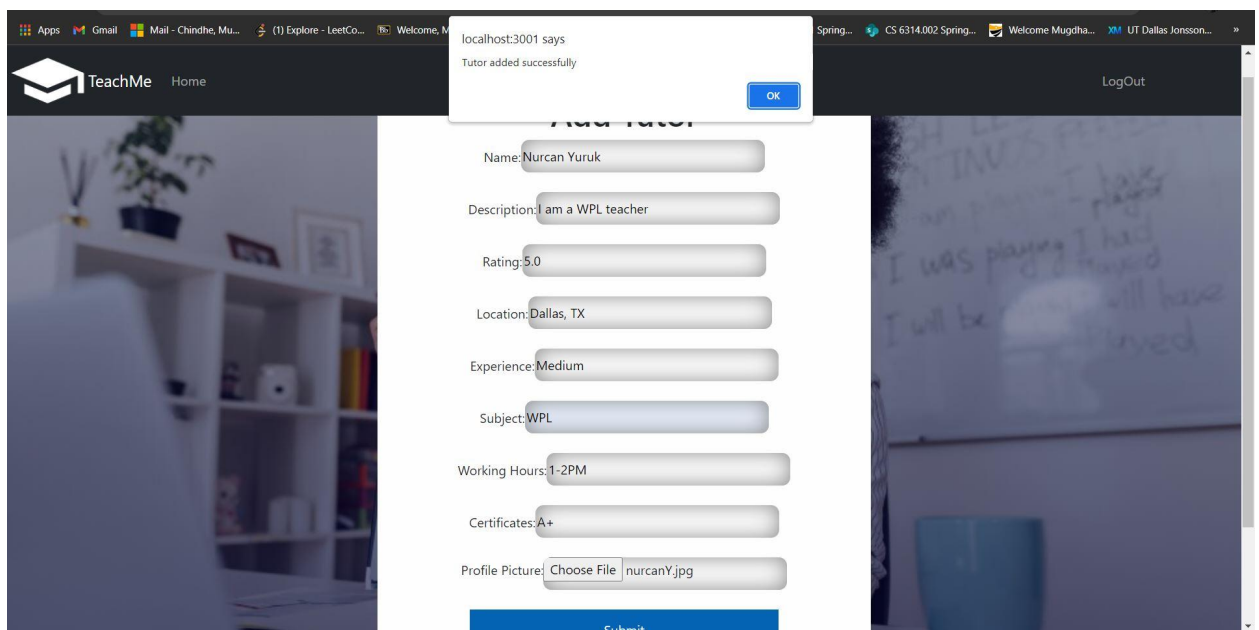
- **SignUp**



- **View Tutors, Show Favourite Tutors List, Add To Favourite, Remove From Favourite List**



- **SignUp for Tutor Profile**



The screenshot shows a web browser window with the TeachMe website. The browser's address bar shows 'localhost:3001'. The website has a dark header with the TeachMe logo and a 'Home' link. A modal box in the center of the screen displays the message 'localhost:3001 says: Tutor added successfully' with an 'OK' button. The 'Add Tutor' form is visible, containing the following fields:

- Name: Nurcan Yuruk
- Description: I am a WPL teacher
- Rating: 5.0
- Location: Dallas, TX
- Experience: Medium
- Subject: WPL
- Working Hours: 1-2PM
- Certificates: A+
- Profile Picture: Choose File | nurcanY.jpg

A blue 'Submit' button is located at the bottom of the form. The background of the page shows a blurred image of a desk with a plant and a whiteboard.

- **Schedule Appointment**

localhost:3001 says  
Appointment Scheduled successfully

TeachMe Home LogOut

## Schedule Appointment

Tutor\_Name: Nurcan Yuruk

Appointment\_Date: 05/24/2022

Appointment\_Time: 1230


Course\_Name: Web Programming Languages

Student\_Name: Mugdha Chindhe

Submit

- Show specific tutor, Rate a tutor

TeachMe Tutor Profile Schedule Appointment LogOut



Name: Rosa SH  
Rating: 2  
From: Racine, USA  
Experience: 4 years  
Subject: fluent speaking  
Certificates: Teaching certificate, 100+ chats  
Working Hours: 3  
About me: I have been a facilitator for over forty years

1  
2  
3  
4  
5

interest you: patience and clearly spoken words.

Rate a Tutor Give Feedback

f @ t

© 2020 Copyright: TeachMe.com

## **Work Division:**

### **1. Mohamed Abrar**

- All the tutors were aligned horizontally in a flex box and gets resized accordingly
- Users will be able to add tutors to their favorite list
- Access their favorite list
- Remove tutors from their favorite list using filter function
- Users should be able to rate a given tutor on a scale of 1-5
- The ratings are updated in MongoDB using put method
- Database Design

### **2. Mugdha Chindhe**

- Signup (Frontend + Backend)
- Check if the password is strong enough
- A hashed version of passwords should be stored in the database
- Login (Frontend + Backend)
- Form validation: check if all mandatory fields are filled out
- Search for a specific tutor by the name
- Search for a tutor for a given subject
- List all tutors in the system
- Database Design

### **3. Rajat Dwivedi**

- Users will be able to make appointments with a tutor of their choice
- For making an appointment, the availability of the tutor should be checked
- Database Design
- Checking the upcoming appointments of all users and a specific user
- Checking the upcoming appointments of all tutors and a specific tutor
- Adding new tutors to the application (backend)
- Checking for available slots of appointment

## **Video Link:**

**<https://www.youtube.com/watch?v=EJiY0SuY2ig>**