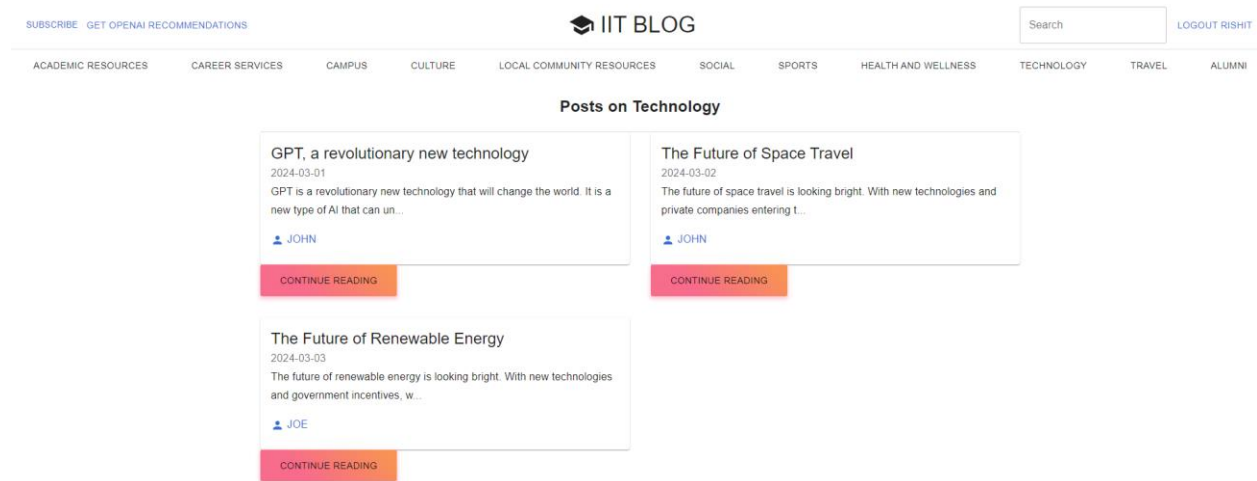


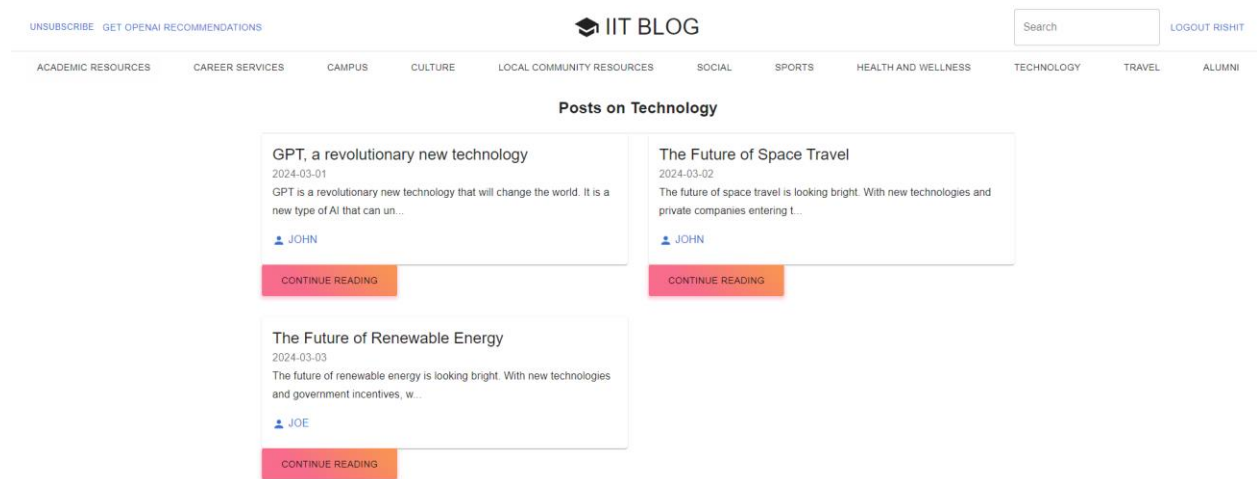
# UML ASSIGNMENT 4 OUTPUT

RISHIT PALLAV – A20513980

1. Provide the user with the feature to subscribe and unsubscribe for any topic to be notified of new postings.



Clicked Subscribe the button changes to unsubscribe:




Elasticsearch Output:

```
localhost:9200/subscriptions/_search

pretty-print
{
  "hits": {
    "total": {
      "value": 5,
      "relation": "eq"
    },
    "max_score": 1,
    "hits": [
      {
        "_index": "subscriptions",
        "_id": "Travel",
        "_score": 1,
        "_source": {
          "emails": [
            "rishitpallav9@gmail.com",
            "rpallav@hawk.iit.edu",
            "rpallav@hawk.iit.edu"
          ]
        }
      },
      {
        "_index": "subscriptions",
        "_id": "Health and Wellness",
        "_score": 1,
        "_source": {
          "emails": [
            "rpallav@hawk.iit.edu",
            "rpallav@hawk.iit.edu"
          ]
        }
      },
      {
        "_index": "subscriptions",
        "_id": "Sports",
        "_score": 1,
        "_source": {
          "emails": [
            "john@hawk.iit.edu"
          ]
        }
      },
      {
        "_index": "subscriptions",
        "_id": "Alumni",
        "_score": 1,
        "_source": {
          "emails": []
        }
      },
      {
        "_index": "subscriptions",
        "_id": "Technology",
        "_score": 1,
        "_source": {
          "emails": [
            "rpallav@hawk.iit.edu"
          ]
        }
      }
    ]
  }
}
```

Clicks Unsubscribe:


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 **IIT BLOG**


[LOGOUT RISHIT](#)

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**Posts on Technology**

**GPT, a revolutionary new technology**  
2024-03-01  
GPT is a revolutionary new technology that will change the world. It is a new type of AI that can un...  
 JOHN  
[CONTINUE READING](#)

**The Future of Space Travel**  
2024-03-02  
The future of space travel is looking bright. With new technologies and private companies entering L...  
 JOHN  
[CONTINUE READING](#)

**The Future of Renewable Energy**  
2024-03-03  
The future of renewable energy is looking bright. With new technologies and government incentives, w...  
 JOE  
[CONTINUE READING](#)

Elasticsearch Output:

← → ↻ ⓘ localhost:9200/subscriptions/\_search

Pretty-print ☒

```
"failed": 0
},
"hits": {
  "total": {
    "value": 5,
    "relation": "eq"
  },
  "max_score": 1,
  "hits": [
    {
      "_index": "subscriptions",
      "_id": "Travel",
      "_score": 1,
      "_source": {
        "emails": [
          "rishitpallav9@gmail.com",
          "rpallav@hawk.iit.edu",
          "rpallav@hawk.iit.edu"
        ]
      }
    },
    {
      "_index": "subscriptions",
      "_id": "Health and Wellness",
      "_score": 1,
      "_source": {
        "emails": [
          "rpallav@hawk.iit.edu",
          "rpallav@hawk.iit.edu"
        ]
      }
    },
    {
      "_index": "subscriptions",
      "_id": "Sports",
      "_score": 1,
      "_source": {
        "emails": [
          "john@hawk.iit.edu"
        ]
      }
    },
    {
      "_index": "subscriptions",
      "_id": "Alumni",
      "_score": 1,
      "_source": {
        "emails": []
      }
    },
    {
      "_index": "subscriptions",
      "_id": "Technology",
      "_score": 1,
      "_source": {
        "emails": []
      }
    }
  ]
}
```

## 2. Generate Reply:

CAMPUSCULTURELOCAL COMMUNITY RESOURCESSOCIALSPORTSHEALTH AND WELLNESS

### GPT, a revolutionary new technology

GPT is a revolutionary new technology that will change the world. It is a new type of AI that can understand and generate human language. It has the potential to revolutionize many industries, including healthcare, finance, and entertainment. GPT is the future, and we are excited to see what it can do.

2024-03-01

JOHN

TECHNOLOGY

#### COMMENTS

SUBMIT

GENERATE WITH  
OPENAI

CANCEL OPENAI  
REPLY

JOHN on 2024-03-31T00:50:35.221Z

I will give it a try today!

RISHIT on 2024-03-31T01:54:43.721Z

Good one! I am already using it.

## Automatically Generate a Reply:

CAMPUSCULTURELOCAL COMMUNITY RESOURCESSOCIALSPORTSHEALTH AND WELLNESS

### GPT, a revolutionary new technology

GPT is a revolutionary new technology that will change the world. It is a new type of AI that can understand and generate human language. It has the potential to revolutionize many industries, including healthcare, finance, and entertainment. GPT is the future, and we are excited to see what it can do.

2024-03-01

JOHN

TECHNOLOGY

#### COMMENTS

I'm thrilled to hear about GPT's potential to revolutionize various industries! Exciting times ahead!

SUBMIT

GENERATE WITH  
OPENAI

CANCEL OPENAI  
REPLY

JOHN on 2024-03-31T00:50:35.221Z

I will give it a try today!

RISHIT on 2024-03-31T01:54:43.721Z


Good one! I am already using it.


Cancel Reply:


CAMPUSCULTURELOCAL COMMUNITY RESOURCESSOCIALSPORTSHEALTH AND WELLNESS

## GPT, a revolutionary new technology

GPT is a revolutionary new technology that will change the world. It is a new type of AI that can understand and generate human language. It has the potential to revolutionize many industries, including healthcare, finance, and entertainment. GPT is the future, and we are excited to see what it can do.

 2024-03-01

 JOHN

 TECHNOLOGY


---

### COMMENTS


SUBMIT

GENERATE WITH  
OPENAI

CANCEL OPENAI  
REPLY

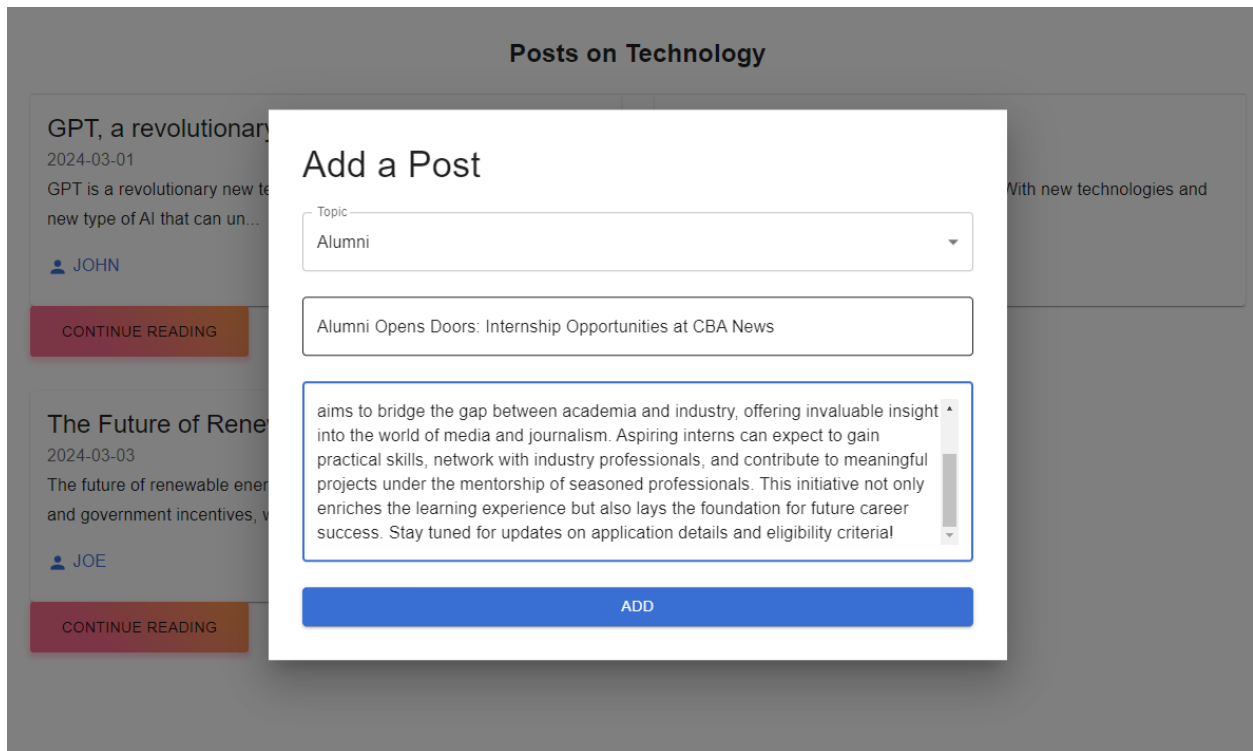
 JOHN on 2024-03-31T00:50:35.221Z

I will give it a try today!

 RISHIT on 2024-03-31T01:54:43.721Z

Good one! I am already using it.


### 3. Store Posts in Elasticsearch:



```
localhost:5200/post/_search?size=50
pretty-print
{
  "index": "post",
  "_id": "1haikV48U_BazvoT5vVP",
  "_score": 1,
  "_ignored": {
    "content.keyword"
  },
  "_source": {
    "id": 36,
    "title": "The Joy of Motion: Running Towards Health and Wellness",
    "content": "Running isn't just about putting one foot in front of the other-it's a transformative journey towards optimal health and wellness. As you lace up your shoes and hit the pavement, each stride becomes a testament to your commitment to physical and mental well-being. The rhythmic pounding of feet against the ground becomes a meditation, quieting the mind and easing stress. With each mile, you strengthen your heart, boost your endurance, and burn away calories, all while releasing feel-good endorphins that uplift your mood. Whether you're pounding the pavement in a bustling city or traversing scenic trails in nature's embrace, running offers a sense of freedom and empowerment unlike any other. So, embrace the joy of motion and let running be your path to a healthier, happier you.",
    "user": "matt",
    "date": "2024-03-30T22:43:59.947Z",
    "topic": "Health and Wellness",
    "active": true
  }
},
{
  "index": "post",
  "_id": "1haikV48U_BazvoT93Wo",
  "_score": 1,
  "_ignored": {
    "content.keyword"
  },
  "_source": {
    "id": 37,
    "title": "Sweet Liberation: Reducing Sugar Intake for Better Health",
    "content": "In a world where sugary treats tempt us at every turn, it's time to rethink our relationship with sugar and prioritize our health. Excessive sugar consumption has been linked to a host of health issues, including obesity, diabetes, and heart disease, making it imperative that we take control of our sugar intake. By reducing our consumption of sugary beverages, snacks, and processed foods, we can lower our risk of chronic diseases and improve our overall well-being. Instead, let's savor the natural sweetness of whole foods like fruits and vegetables, which offer an abundance of vitamins, minerals, and fiber without the added sugars. By making mindful choices and cutting back on sugar, we can reclaim our health and experience the sweet liberation of a balanced lifestyle.",
    "user": "matt",
    "date": "2024-03-30T22:45:21.043Z",
    "topic": "Health and Wellness",
    "active": true
  }
},
{
  "index": "post",
  "_id": "1haikV48U_BazvoT79He",
  "_score": 1,
  "_ignored": {
    "content.keyword"
  },
  "_source": {
    "id": 38,
    "title": "Alumni Opens Doors: Internship Opportunities at CBA News",
    "content": "Exciting news for aspiring professionals! CBA News, a leading media company, is offering internship opportunities courtesy of one of its esteemed alumni. With a commitment to fostering talent and providing hands-on experience, this initiative aims to bridge the gap between academia and industry, offering invaluable insight into the world of media and journalism. Aspiring interns can expect to gain practical skills, network with industry professionals, and contribute to meaningful projects under the mentorship of seasoned professionals. This initiative not only enriches the learning experience but also lays the foundation for future career success. Stay tuned for updates on application details and eligibility criteria!",
    "user": "Trishia",
    "date": "2024-04-01T00:17:46.702Z",
    "topic": "Alumni",
    "active": true
  }
}
}
```

4. Search post on a topic:

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Posts on Campus

Campus Community Day

2024-03-01

Join us for Campus Community Day on March 15th. There will be food, games, and fun for the whole fam...


 JANE

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Upcoming Campus Events

2024-03-08

Check out the calendar of upcoming campus events! There are events for everyone, including lectures,...


 JANE

CONTINUE READING

Campus Clubs and Organizations

2024-03-08

There are hundreds of clubs and organizations on campus that cater to a variety of interests. Gettin...


 JANE

CONTINUE READING

Housing and Dining Options

2024-03-08

Learn about the various housing and dining options available on campus. You can choose from traditio...


 LAURA


CONTINUE READING

Health and Wellness Resources

2024-03-08


Take care of your physical and mental health with the resources available on campus. There are fitne...

 JANE



Searching Campus:

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CONTINUE READING


Campus Clubs and Organizations

2024-03-08

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 JANE

CONTINUE READING





5. Recommend Sport Events:

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Recommendation Window

Chicago White Sox vs. Cincinnati Reds

In series opener, Reds travel to face White Sox Guaranteed Rate Field

Fri, Apr 12, 6:40 – 8:40 PM

Guaranteed Rate Field, 333 W 35th StChicago, IL

Cincinnati Reds at Chicago Cubs

Follow all the updates, stats, highlights, and odds on the Reds vs. Cubs game on Jun 01, 2024

Sat, Jun 1, 6:15 – 8:15 PM

Wrigley Field, 1060 W Addison StChicago, IL

Los Angeles Dodgers at Chicago Cubs

Cubs (Wicks 2-1, 2.60) host Dodgers (Stone) in Wrigley Field

Sat, Apr 6, 3:05 – 5:05 PM

Wrigley Field, 1060 W Addison StChicago, IL

Chicago White Sox vs. New York Mets

artists and is sure to inspi...

difference in the lives of oth...

JANE

JOE