

Testing Using Postman

✔ 1. User Registration

🔗 **Endpoint:** POST /register 🔗 **Input Type:** JSON

✔ Request Body (Example for a Student):

```
{
  "name": "demo_student",
  "email": "demo_student@example.com",
  "password": "password123",
  "role": "student"
}
```

✔ Response:

```
{
  "message": "User registered successfully"
}
```

✔ 2. User Login

🔗 **Endpoint:** POST /login 🔗 **Input Type:** JSON

✔ Request Body:

```
{
  "email": "demo_student@example.com",
  "password": "password123"
}
```

✔ Response:

```
{
  "message": "Login successful",
  "access_token": "<JWT-TOKEN>",
  "user": {
    "user_id": 15,
    "name": "demo_student",
    "role": "student"
  }
}
```

✔ 3. Get All Subjects

🔗 **Endpoint:** GET /subjects 🔗 **Input:** None

✔ **Response:**

```
[
  {
    "subject_id": 6,
    "subject_name": "Cloud Computing"
  },
  {
    "subject_id": 7,
    "subject_name": "DEVOPS"
  },
  {
    "subject_id": 9,
    "subject_name": "Full Stack Javascript"
  },
  {
    "subject_id": 8,
    "subject_name": "JAVA PROGRAMMING EE"
  },
  {
    "subject_id": 10,
    "subject_name": "Web Applications using c#"
  }
]
```

✔ 4. Add Subject (By Professor)

🔗 **Endpoint:** POST /subjects 🔗 **Input Type:** JSON

✔ **Request Body:**

```
{
  "user_id": 14,
  "subject_name": "Demo subject"
}
```

✔ **Response:**

```
{
  "message": "Subject added successfully"
}
```

✓ 5. Upload Material (PDF, MP4, or Link)

🔗 **Endpoint:** POST /upload 🔗 **Input Type:** form-data

✓ **Fields:**

- user_id: 13
- subject_id: 6
- material_type: video
- file: (Attach demo_video.mp4)

✓ **Response:**

```
{
  "message": "Material added successfully!",
  "file_url": "https://<bucket>.s3.<region>.amazonaws.com/demo_video.mp4"
}
```

✓ 6. View All Study Materials

🔗 **Endpoint:** GET /materials

🔗 **Response:**

```
[
  {
    "file_url": "https://student-study-resources.s3.ca-central-1.amazonaws.com/Cloud_Computing_IMG.png",
    "material_id": 7,
    "material_link": "Default",
    "material_type": "notes",
    "subject_id": 6,
    "upload_date": "Sun, 30 Mar 2025 14:36:40 GMT",
    "user_id": 13
  },
  {
    "file_url": "https://student-study-resources.s3.ca-central-1.amazonaws.com/Devops.mp4",
    "material_id": 8,
    "material_link": "Default",
    "material_type": "video",
    "subject_id": 7,
    "upload_date": "Sun, 30 Mar 2025 14:47:42 GMT",
    "user_id": 12
  },
]
```

```
{
  "file_url": "https://youtu.be/0dW577tjXkk",
  "material_id": 9,
  "material_link": "https://youtu.be/0dW577tjXkk",
  "material_type": "link",
  "subject_id": 9,
  "upload_date": "Sun, 30 Mar 2025 14:50:28 GMT",
  "user_id": 10
},
{
  "file_url": "https://youtu.be/5vdPYahb6Cc",
  "material_id": 11,
  "material_link": "https://youtu.be/5vdPYahb6Cc",
  "material_type": "link",
  "subject_id": 10,
  "upload_date": "Sun, 30 Mar 2025 17:26:03 GMT",
  "user_id": 11
}
]
```

✔ 7. Add Comment (Trigger AWS SES Email)

🔗 **Endpoint:** POST /comment 🔗 **Input Type:** JSON

✔ **Request Body:**

```
{
  "material_id": 7,
  "user_id": 13,
  "comment": "Demo comment"
}
```

✔ **Response:**

```
{
  "message": "Comment added and notification sent!",
  "ses_response": {
    "MessageId": "abc-123-xyz"
  }
}
```

✔ 8. Get Comments for a Material

🔗 **Endpoint:** GET /comments/<comment_id>

✔ **Response:**

```
[
  {
    "comment_id": <given comment id>,
    "material_id": <material_id related to the comment>,
    "user_id": <user_id of the publisher>,
    "comment_text": " Demo comment ",
    "status": "unfixed"
  }
]
```

✔ 9. Mark a Comment as Fixed (Professor Only)

🔗 **Endpoint:** PUT /comments/<comment_id>/fix 🔗 **Input Type:** JSON

✔ **Request Body:**

```
{
  "user_id": 14
}
```

✔ **Response:**

```
{
  "message": "Comment marked as fixed"
}
```