

## Checking Endpoint Functionality | MIST 460 | Nada Mikky

- Commit → push code
- GitHub → **Actions** → confirm build + deployment succeeded

REPO #1: [NadaMikky/MIST460-Course-Recommender-Apis-Mikky](#)

REPO #2: [NadaMikky/MIST460-Course-Recommender-UI-Mikky: User Interface Repo](#)

- SQL Server Management Studio → run DDL → run insert data → run data objects  
→ confirm DB connected
- Azure App Service → **Log Stream** → verify no startup errors
- Open API docs →  
<https://mist460-course-recommender-apis-mikky.azurewebsites.net/docs>

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### Testing 7 Functionalities:

#### 1. Validate User:

Name	Description
<b>username</b> * required string (query)	<input type="text" value="mjordan@wvu.edu"/>
<b>password</b> * required string (query)	<input type="text" value="0x01"/>

**Response body**

```
{
  "data": [
    {
      "AppUserID": 1,
      "FullName": "Michael Jordan"
    }
  ]
}
```

## 2. Check Prerequisites

Name	Description
<b>studentID</b> * required integer (query)	<input type="text" value="2"/>
<b>subjectCode</b> * required string (query)	<input type="text" value="MIST"/>
<b>courseNumber</b> * required string (query)	<input type="text" value="460"/>

### Response body

```
{
  "data": [
    {
      "SubjectCode": "MIST",
      "CourseNumber": "452"
    },
    {
      "SubjectCode": "MIST",
      "CourseNumber": "455"
    }
  ]
}
```

### 3. Find Current Semester Course Offerings

Name	Description
<b>subjectCode</b> * required string (query)	<input type="text" value="MIST"/>
<b>courseNumber</b> * required string (query)	<input type="text" value="460"/>

#### Response body

```
{
  "data": [
    {
      "SubjectCode": "MIST",
      "CourseNumber": "460",
      "CRN": 30002,
      "Semester": "Fall",
      "Year": 2025,
      "CourseOfferingID": 14,
      "NumberSeatsRemaining": 0
    },
    {
      "SubjectCode": "MIST",
      "CourseNumber": "460",
      "CRN": 30003,
      "Semester": "Fall",
      "Year": 2025,
      "CourseOfferingID": 15,
      "NumberSeatsRemaining": 6
    },
    {
      "SubjectCode": "MIST",
      "CourseNumber": "460",
      "CRN": 30004,
      "Semester": "Fall",
      "Year": 2025,
      "CourseOfferingID": 16,

```

#### 4. Find Prerequisites

Name	Description
<b>subjectCode</b> * required string (query)	<input type="text" value="MIST"/>
<b>courseNumber</b> * required string (query)	<input type="text" value="460"/>

#### Response body

```
{
  "data": [
    {
      "SubjectCode": "MIST",
      "CourseNumber": "450"
    },
    {
      "SubjectCode": "MIST",
      "CourseNumber": "452"
    }
  ]
}
```

## 5. Get Student Enrolled Course Offerings

Name	Description
<b>studentID</b> * required	
integer	<input type="text" value="1"/>
(query)	

### Response body

```
"data": [  
  {  
    "CourseOfferingID": 1,  
    "CRN": 10001,  
    "SubjectCode": "MIST",  
    "CourseNumber": "351",  
    "EnrollmentStatus": "Completed",  
    "LastUpdate": "2025-11-16T05:40:17.068000"  
  },  
  {  
    "CourseOfferingID": 2,  
    "CRN": 10002,  
    "SubjectCode": "MIST",  
    "CourseNumber": "352",  
    "EnrollmentStatus": "Completed",  
    "LastUpdate": "2025-11-16T05:40:17.068000"  
  },  
  {  
    "CourseOfferingID": 4,  
    "CRN": 10004,  
    "SubjectCode": "MIST",  
    "CourseNumber": "450",  
    "EnrollmentStatus": "Completed",  
    "LastUpdate": "2025-11-16T05:40:17.068000"  
  },  
  {  
    "CourseOfferingID": 3,
```

## 6. Enroll Student in Course Offering

Name	Description
<b>studentID</b> * required integer (query)	<input type="text" value="1"/>
<b>courseOfferingID</b> * required integer (query)	<input type="text" value="15"/>

### Response body

```
{
  "data": [
    {
      "EnrollmentResponse": "Enrolled in Course Offering.",
      "EnrollmentSucceeded": true
    }
  ]
}
```

## 7. Drop Student from Course Offering

Name	Description
<b>studentID</b> * required integer (query)	<input type="text" value="1"/>
<b>courseOfferingID</b> * required integer (query)	<input type="text" value="15"/>

### Response body

```
{
  "data": [
    {
      "EnrollmentStatus": "Dropped",
      "LastUpdate": "2025-11-16T19:04:53.337000"
    }
  ]
}
```

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### - NEXT: UI functionalities:

<https://docs.google.com/document/d/10XGJHHCwYdmmNMoAicgkIUcwN1r4HG9NBMXQ1hTewnk/edit?usp=sharing>