

## Checking Endpoint Functionality | MIST 460 | Nada Mikky

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

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

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

- 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
username * required	mjordan@wvu.edu
string (query)	
password * required	0x01
string (query)	

**Response body**

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

## 2. Check Prerequisites

Name	Description
<b>studentID</b> * required integer (query)	2
<b>subjectCode</b> * required string (query)	MIST
<b>courseNumber</b> * required string (query)	460

### Response body

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

### 3. Find Current Semester Course Offerings

Name	Description
subjectCode * required string (query)	MIST
courseNumber * required string (query)	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,  
      "NumberSeatsRemaining": 6  
    }  
  ]  
}
```

#### 4. Find Prerequisites

Name	Description
<b>subjectCode</b> * required string (query)	MIST
<b>courseNumber</b> * required string (query)	460

#### Response body

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

## 5. Get Student Enrolled Course Offerings

Name	Description
studentID * required integer (query)	1

### 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/10XGJHHCwYdmmNMoAicgklUcwN1r4HG9NBMXQ1hTewnk/edit?usp=sharing>