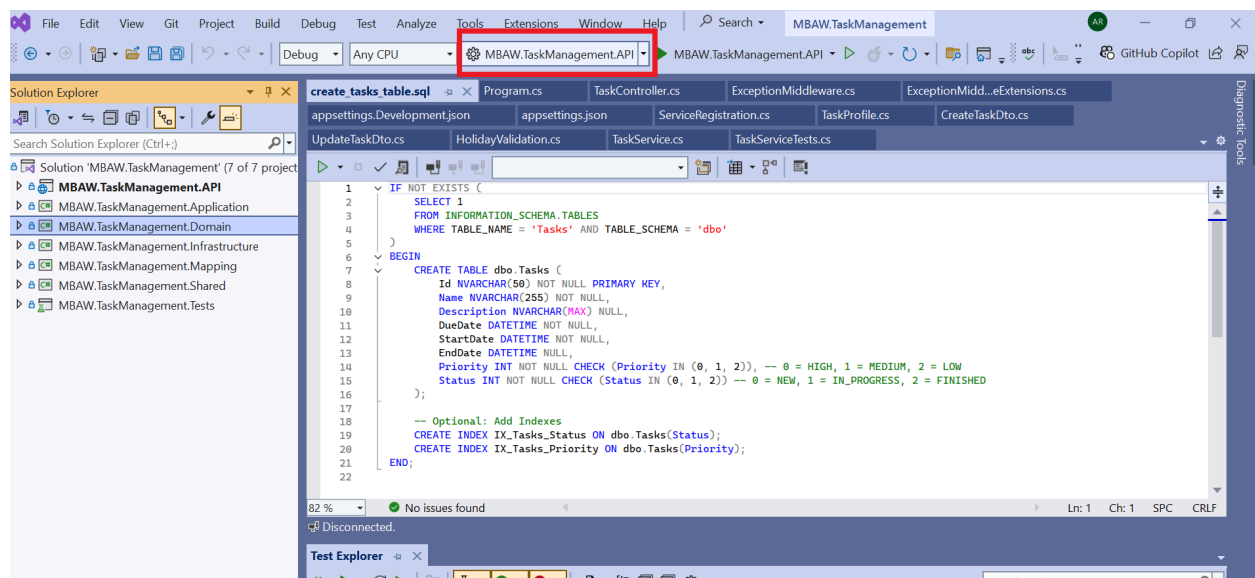


Database Script

CREATE DATABASE MBAW;

How to run API



1. Run the Database Script.pdf file first in SQL Server Management Studio.
2. Make sure you select MBAW.TaskManagement.API as Startup Item as shown in image above and click on Green Triangle button next to it to run.

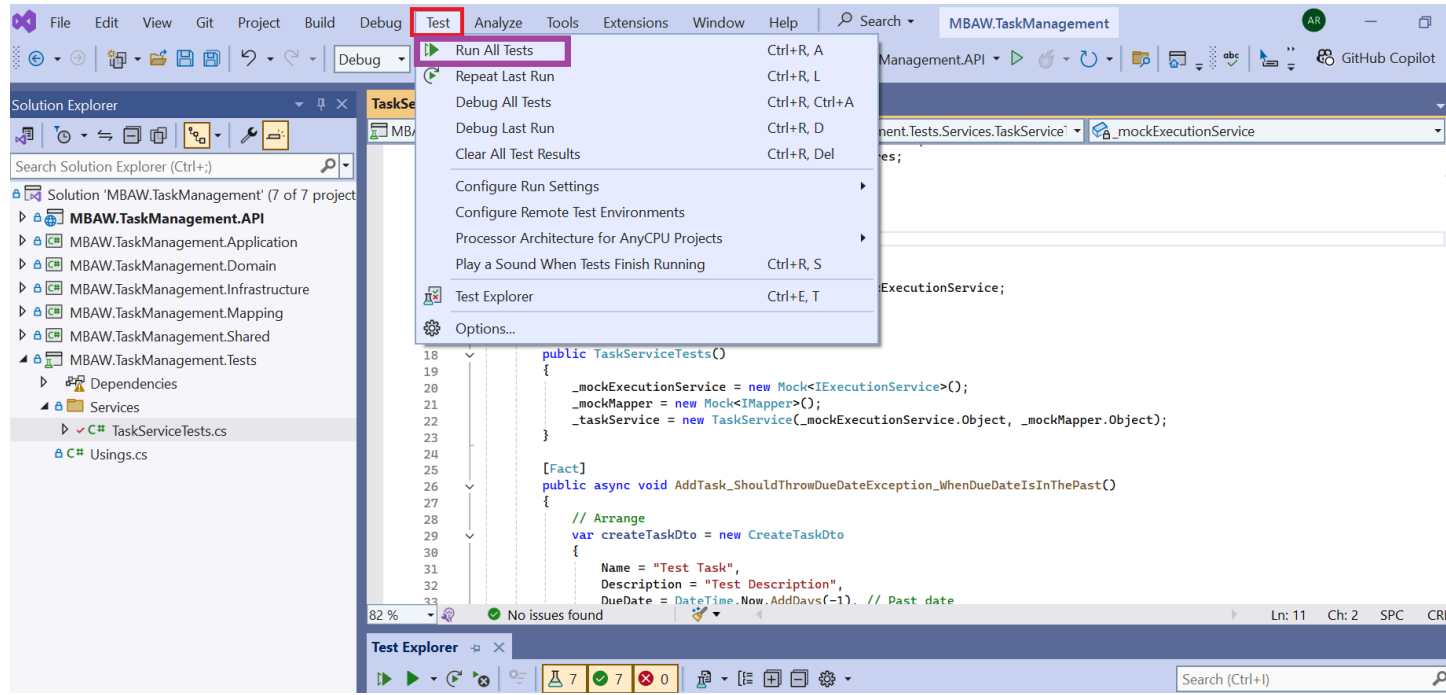
How To Use API

1. The Dates are in ISO 8601 format (shown below). For example:
(2025-01-06T15:23:47.792Z)
 - a. 2025: Year
 - b. 01: Month
 - c. 06: Day
 - d. T: Start of time
 - e. 15: Hour in 24-hour format
 - f. 23: Minutes
 - g. 47: Seconds
 - h. 792 Milliseconds
 - i. Z: Timezone (Zulu Time which is equivalent to UTC)

```
{  
  "name": "string",  
  "description": "string",  
  "dueDate": "2025-01-06T15:59:09.064Z",  
  "startDate": "2025-01-06T15:59:09.064Z",  
  "endDate": "2025-01-06T15:59:09.064Z",  
  "priority": 2,  
  "status": 2  
}
```

2. **Set Task Priority.** The task priority takes int as a input. Where:
 - j. HIGH = 0
 - k. MEDIUM = 1
 - l. LOW = 2
3. **Set Task Status.** The task status takes int as a input. Where:
 - a. NEW = 0
 - b. IN_PROGRESS = 1
 - c. FINISHED = 2

How to run Test



1. Click on **Tests** tab (Marked in Red in image above) on Visual Studio.
2. Click on **Run All Tests** (Marked in Purple in image above).

List of Tests:

1. AddTask_ShouldThrowDueDateException_WhenDueDatelsInThePast
2. AddTask_ShouldThrowException_WhenDueDatelsHolidayOrWeekend
3. AddTask_ShouldThrowException_WhenHighPriorityTaskLimitExceeded
4. UpdateTask_ShouldThrowException_WhenDueDatelsInThePast
5. UpdateTask_ShouldThrowException_WhenDueDatelsHolidayOrWeekend
6. UpdateTask_ShouldThrowException_WhenHighPriorityTaskLimitExceeded
7. UpdateTask_ShouldUpdateTaskSuccessfully_WhenAllConditionsAreMet