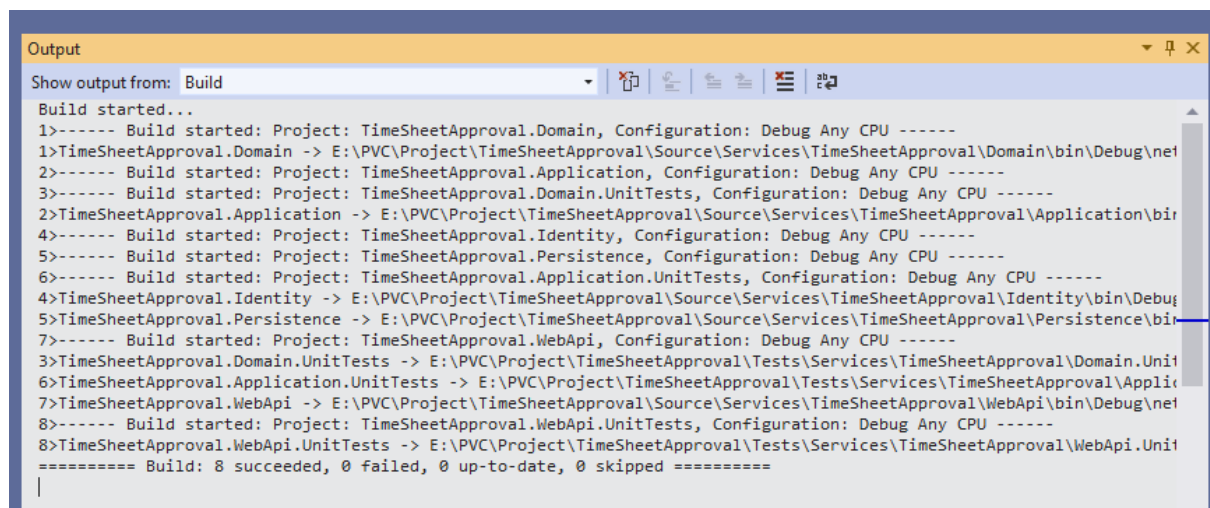


Step 1: Set as a startup project of TimeSheetApproval.WebApi

Step 2: Change the DB connection in appsettings.json from TimeSheetApproval.WebApi Project for the highlighted

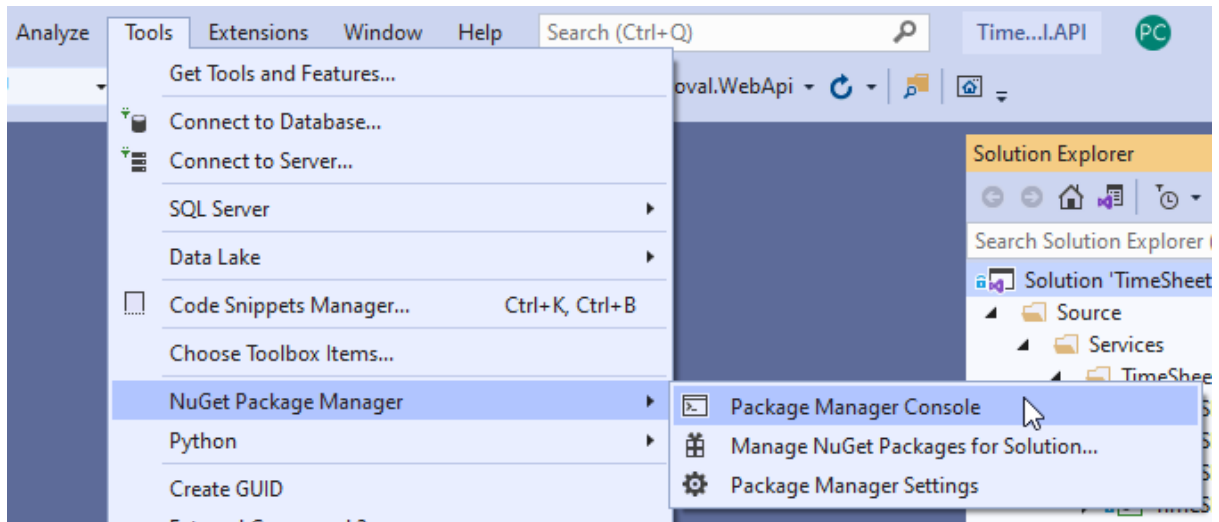


Step 3: Right Click on Solution – Build Solution (Ctrl + Shift + B)

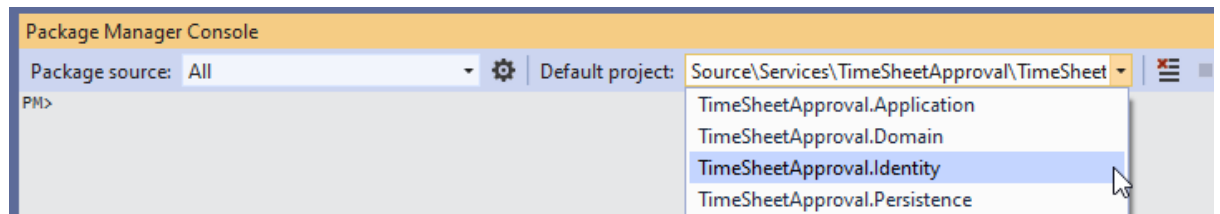


Step 4: Now we will create the Database with Identity Entities

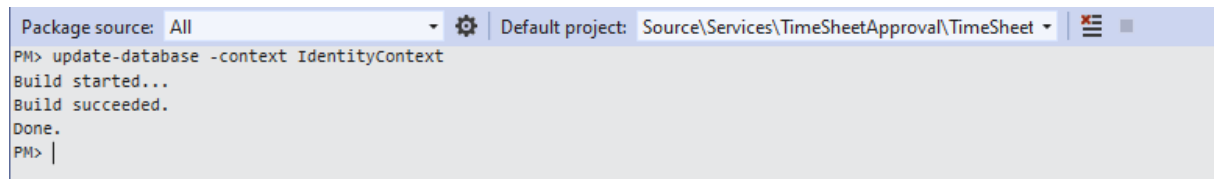
- a. Open the Package Manager Console from the Tools -> NuGet Package Manager -> Package Manager Console



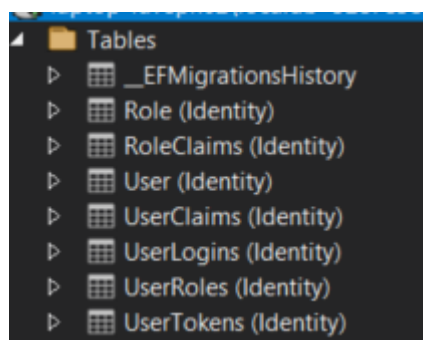
- b. Select the default project as TimeSheetApproval.Identity



- c. Run the below code in console as shown below  
update-database -context IdentityContext

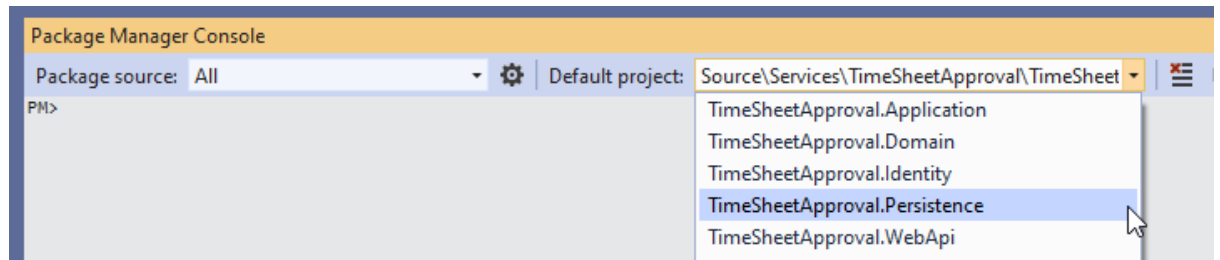


- d. Open the SSMS and ensure that TimeSheetApprovalDB Created with Identity Entities as shown below

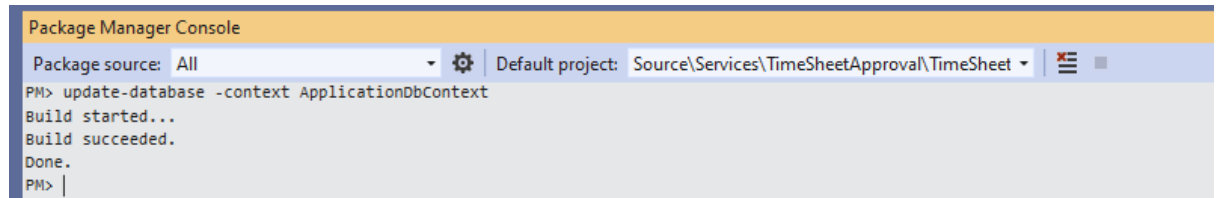


Step 5: Now we will create the Application Entities

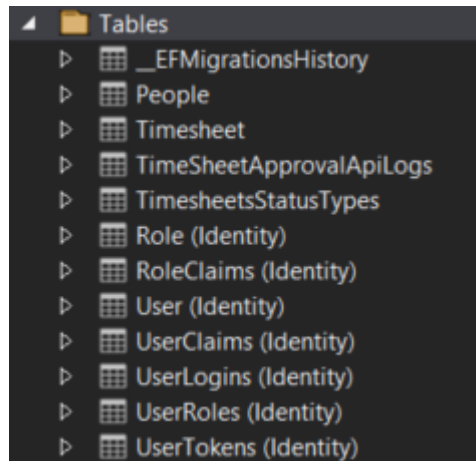
- a. Select the default project as TimeSheetApproval.Persistence



- b. Run the below code in console as shown below  
update-database -context ApplicationDbContext



- c. Please ensure Application Entities are created from DB as shown below



Step 6: Run all the scripts from the DbScripts folder to get the test data.

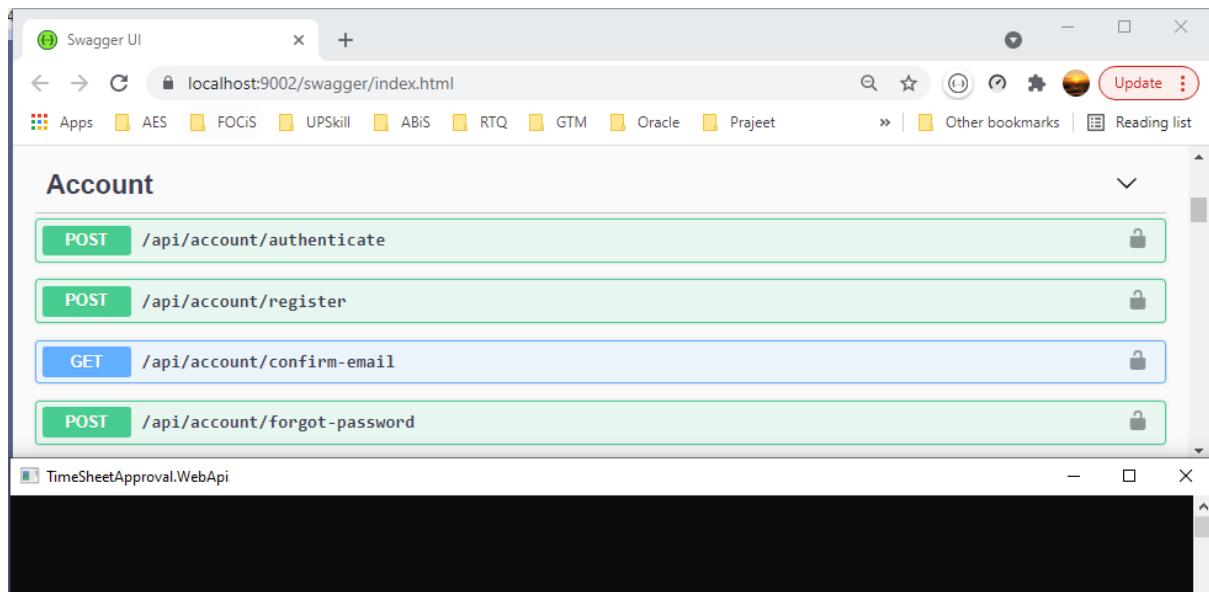
01\_Identity\_Insert\_Script

02\_TimesheetsStatusTypes\_Insert\_Script

03\_Peoples\_Insert\_Script

04\_Timesheets\_Insert\_Script

Step 7: Run the application, Application will open two windows 1 is web browser and 2<sup>nd</sup> one is console as shown below



## Step 8: People End Points

### A. Get Method Payload (Get People)

#### a. Get All People Payload

```
{ "pageNumber": 1,
  "pageSize": 10,
  "sortParams": [
    {
      "sortColumn": "PeopleId",
      "sortOrder": 1
    }
  ],
  "filterParams": null}
```

#### b. Get A Particular People

```
{ "pageNumber": 1,
  "pageSize": 10,
  "sortParams": [
    {
      "sortColumn": "PeopleId",
      "sortOrder": 1
    }
  ],
  "filterParams": {
    "filterColumn": "PeopleId",
    "filterValue": "2",
    "operator": "eq",
    "logicOperator": "and",
    "filterList": null
  }
}
```

**POST** /api/people/get-people-details

**Parameters** Try it out

| Name                             | Description                              |
|----------------------------------|--|
| api-version<br>string<br>(query) | <input type="text" value="api-version"/> |

**Request body** application/json-patch+json ▾

Example Value | Schema

```
{
  "pageNumber": 1,
  "pageSize": 10,
  "sortParams": [
    {
      "sortColumn": "PeopleId",
      "sortOrder": 1
    }
  ],
  "filterParams": {
    "filterColumn": "PeopleId",
    "filterValue": "3",
    "operator": "eq",
    "logicOperator": "and",
    "filterList": null
  }
}
```

B. Post Method Payload (Create New People)

```
{
  "peopleId": 0,
  "peopleFirstName": "Mr",
  "peopleLastName": "John",
  "gender": "Male",
  "hourlyRate": 5500,
  "bankAccount": "99999999"
}
```

**POST** /api/people

**Parameters** Try it out

| Name                             | Description                              |
|----------------------------------|--|
| api-version<br>string<br>(query) | <input type="text" value="api-version"/> |

**Request body** application/json-patch+json ▾

Example Value | Schema

```
{
  "peopleId": 0,
  "peopleFirstName": "Mr",
  "peopleLastName": "John",
  "gender": "Male",
  "hourlyRate": 5500,
  "bankAccount": "99999999"
}
```

C. Put Method Payload (Update People) (For All the update method use already existing Id's )

```
{
  "peopleId": 3,
  "peopleFirstName": "Mr",
  "peopleLastName": "John",
}
```

```

"gender": "Male",
"hourlyRate": 5555,
"bankAccount": "99999999"
}

```

PUT

/api/people/{peopleId}

Parameters

Try it out

| Name   | Description                              |
|--|--|
| <b>peopleId</b> * required<br>integer(\$int32)<br>(path) | <input type="text" value="3"/>           |
| api-version<br>string<br>(query)                         | <input type="text" value="api-version"/> |

Request body

application/json-patch+json

Example Value | Schema

```

{
  "peopleId": 3,
  "peopleFirstName": "Mr",
  "peopleLastName": "John",
  "gender": "Male",
  "hourlyRate": 5555,
  "bankAccount": "99999999"
}

```

#### D. Delete Method Payload (Delete People)

```

{
  "peopleId": 3
}

```

DELETE

/api/people/{peopleId}

Parameters

Try it out

| Name   | Description                              |
|--|--|
| <b>peopleId</b> * required<br>integer(\$int32)<br>(path) | <input type="text" value="3"/>           |
| api-version<br>string<br>(query)                         | <input type="text" value="api-version"/> |

Request body

application/json-patch+json

Example Value | Schema

```

{
  "peopleId": 3
}

```

### Step 9 : Timesheet Status Type End Points

#### A. Get Method Payload (Get Timesheet Status Type)

##### a. Get All People Payload

```

{ "pageNumber": 1,
  "pageSize": 10,
  "sortParams": [

```

```
{
  "sortColumn": "TssTypeId",
  "sortOrder": 1
},
"filterParams": null}
```

b. Get A Particular Timesheet Status Type

```
{ "pageNumber": 1,
  "pageSize": 10,
  "sortParams": [
    { "sortColumn": "TssTypeId",
      "sortOrder": 1
    }
  ],
  "filterParams": {
    "filterColumn": "tssTypeName",
    "filterValue": "Draft",
    "operator": "eq",
    "logicOperator": "and",
    "filterList": null
  }
}
```

POST

/api/timesheets-status-types/get-Timesheet-status-types

Parameters

Cancel

| Name        | Description |
|-------------|-------------|
| api-version |             |
| string      | api-version |
| (query)     |             |

Request body

application/json-patch+json

```
{
  "pageNumber": 1,
  "pageSize": 10,
  "sortParams": [
    {
      "sortColumn": "TssTypeId",
      "sortOrder": 1
    }
  ],
  "filterParams": {
    "filterColumn": "tssTypeName",
    "filterValue": "Draft",
    "operator": "eq",
    "logicOperator": "and",
    "filterList": null
  }
}
```

B. Post Method Payload (Create New Timesheet Status)

```
{
  "tssTypeId": 0,
  "tssTypeName": "Deleted"
}
```

**POST** /api/timesheets-status-types

Parameters Cancel

| Name                             | Description                              |
|----------------------------------|--|
| api-version<br>string<br>(query) | <input type="text" value="api-version"/> |

Request body application/json-patch+json ▾

```
{
  "tssTypeId": 0,
  "tssTypeName": "Deleted"
}
```

- C. Put Method Payload (Update Timesheet Status) (For All the update method use already existing Id's )

```
{
  "tssTypeId": 5,
  "tssTypeName": "DeletedForTesting"
}
```

**PUT** /api/timesheets-status-types/{TimesheetsStatusTypeId}

Parameters Try it out

| Name   | Description                              |
|--|--|
| <b>TimesheetsStatusTypeId</b> * required<br>integer(\$int32)<br>(path) | <input type="text" value="5"/>           |
| api-version<br>string<br>(query)                                       | <input type="text" value="api-version"/> |

Request body application/json-patch+json ▾

Example Value | Schema

```
{
  "tssTypeId": 5,
  "tssTypeName": "DeletedForTesting"
}
```

- D. Delete Method Payload (Delete Timesheet Status)

```
{
  "tssTypeId": 5
}
```



DELETE /api/timesheets-status-types/{TimesheetsStatusTypeId}

Parameters
Try it out

| Name   | Description                              |
|--|--|
| <b>TimesheetsStatusTypeId</b> * required<br>integer(int32)<br>(path) | <input type="text" value="5"/>           |
| api-version<br>string<br>(query)                                     | <input type="text" value="api-version"/> |

Request body
application/json-patch+json ▾

Example Value | Schema

```

{
  "tssTypeId": 5
}

```

Step 10 : Timesheet End Points

A. Get Method Payload (Get Timesheet)

a. Get All People Payload

```

{ "pageNumber": 1,
  "pageSize": 10,
  "sortParams": [
    {
      "sortColumn": "TimesheetId",
      "sortOrder": 1
    }
  ],
  "filterParams": null}

```

b. Get A Particular Timesheet (In this case getting the timesheets based on the status = 3 )

```

{
  "pageNumber": 1,
  "pageSize": 10,
  "sortParams": [
    {
      "sortColumn": "TimesheetId",
      "sortOrder": 1
    }
  ],
  "filterParams": {
    "filterColumn": "tssTypeId",
    "filterValue": "3",
    "operator": "eq",
    "logicOperator": "and",
    "filterList": null
  }
}

```

POST

/api/timesheets/get-timesheets-details

Parameters

Cancel

| Name                             | Description                              |
|----------------------------------|--|
| api-version<br>string<br>(query) | <input type="text" value="api-version"/> |

Request body

application/json-patch+json

```

{
  "pageNumber": 1,
  "pageSize": 10,
  "sortParams": [
    {
      "sortColumn": "TimesheetId",
      "sortOrder": 1
    }
  ],
  "filterParams": {
    "filterColumn": "tssTypeId",
    "filterValue": "3",
    "operator": "eq",
    "logicOperator": "and",
    "filterList": null
  }
}

```

c. Get Timesheet in between dates

```

{ "pageNumber": 0,
  "pageSize": 0,
  "sortParams": [
    { "sortColumn": "TimesheetId",
      "sortOrder": 1 }
  ],
  "filterParams": {
    "filterColumn": "",
    "operator": "",
    "filterValue": "",
    "logicOperator": "and",
    "filterList": [ { "filterColumn": "WorkFromTime",
                     "operator": "gt",
                     "filterValue": "2021-06-01",
                     "logicOperator": "and",
                     "filterList": null }, {
                     "filterColumn": "WorkToTime",
                     "operator": "lte",
                     "filterValue": "2021-06-03",
                     "logicOperator": "and",
                     "filterList": null } ] }
}

```

**POST** /api/timesheets/get-timesheets-details

**Parameters** Cancel

| Name                             | Description |
|----------------------------------|-------------|
| api-version<br>string<br>(query) | api-version |

**Request body** application/json-patch+json

```
{
  "pageNumber": 0,
  "pageSize": 0,
  "sortParams": [
    {
      "sortcolumn": "TimesheetId",
      "sortOrder": 1
    }
  ],
  "filterParams": {
    "filtercolumn": "",
    "operator": "",
    "filtervalue": "",
    "logicOperator": "and",
    "filterlist": [
      {
        "filtercolumn": "workFromTime",
        "operator": "gt",
        "filtervalue": "2021-06-01",
        "logicOperator": "and",
        "filterlist": null
      },
      {
        "filtercolumn": "workToTime",
        "operator": "lte",
        "filtervalue": "2021-06-03",
        "logicOperator": "and",
        "filterlist": null
      }
    ]
  }
}
```

## B. Post Method Payload (Create New Timesheet)

```
{
  "timesheetId": 0,
  "peopleId": 1,
  "tssTypeId": 3,
  "timesheetDate": "2021-06-04T13:00:40.0862051",
  "workFromTime": "2021-06-04T13:00:40.0862051",
  "workToTime": "2021-06-04T16:00:40.0862051",
  "workTotalTime": 3,
}
```

**POST** /api/timesheets

**Parameters** Cancel

| Name                             | Description |
|----------------------------------|-------------|
| api-version<br>string<br>(query) | api-version |

**Request body** application/json-patch+json

```
{
  "timesheetId": 0,
  "peopleId": 1,
  "tssTypeId": 3,
  "timesheetDate": "2021-06-04T13:00:40.0862051",
  "workFromTime": "2021-06-04T13:00:40.0862051",
  "workToTime": "2021-06-04T16:00:40.0862051",
  "workTotalTime": 3,
}
```

## C. Put Method Payload (Update Timesheet) (For All the update method use already existing Id's ) (Updating the timesheet by changing the status from Paid to Removed (ie., 3 to 4))

```
{
  "timesheetId": 11,
  "peopleId": 1,
  "tssTypeId": 4,
  "timesheetDate": "2021-06-04T13:00:40.0862051",
  "workFromTime": "2021-06-04T13:00:40.0862051",
  "workToTime": "2021-06-04T16:00:40.0862051",
  "workTotalTime": 3,
}
```

```
}

```

**PUT** /api/timesheets/{timesheetId}

Parameters Cancel

| Name  | Description |
|---|-------------|
| <b>timesheetId</b> * required<br>integer(\$int32)<br>(path) | 11          |
| api-version<br>string<br>(query)                            | api-version |

Request body application/json-patch+json ▾

```
{
  "timesheetId": 11,
  "peopleId": 1,
  "tssTypeId": 4,
  "timesheetDate": "2021-06-04T13:00:40.0862051",
  "workFromTime": "2021-06-04T13:00:40.0862051",
  "workToTime": "2021-06-04T16:00:40.0862051",
  "workTotalTime": 3
}
```

#### D. Delete Method Payload (Delete Timesheet)

```
{
  "timesheetId": 11
}
```

**DELETE** /api/timesheets/{timesheetId}

Parameters Cancel

| Name  | Description |
|---|-------------|
| <b>timesheetId</b> * required<br>integer(\$int32)<br>(path) | 11          |
| api-version<br>string<br>(query)                            | api-version |

Request body application/json-patch+json ▾

```
{
  "timesheetId": 11
}
```