

Getting Started

NOTE

The `InitialCreate` migration was created.

It will be applied on startup of the API application and create the database and tables.

Prerequisites

- .NET 9 SDK
- A code editor like Visual Studio or Visual Studio Code
- SQL Server
- SQL Server Management Studio (optional)

Installation

1. Clone the repository
 - `https://github.com/nwdorian/ShiftsLogger.git`
2. Configure the `appsettings.json`
 - Update the connection string
3. Navigate to the API project folder
 - `cd .\WebApi`
4. Build the Web API application using .NET CLI
 - `dotnet build`
5. Navigate to the Console project folder
 - `cd .\ConsoleUI`
6. Build the Console application using the .NET CLI
 - `dotnet build`

Running the application

1. Run the API application from the API project folder using the .NET CLI
 - `cd .\WebApi\ShiftsLogger.WebApi`
 - `dotnet run`
2. Run the Console application from the Console project folder using the .NET CLI
 - `cd .\ConsoleUI\ShiftsLogger.ConsoleUI`
 - `dotnet run`

ShiftsLogger.WebApi | V1

Seeding

SeedData

[View Source](#) | [Improve this Doc](#)

Seeds database with preset data for demonstration purposes.

Request

POST /api/Seeding

Responses

Status Code	Type	Description	Samples
200	string	OK	
400	string	Bad Request	

Shifts

GetAll

[View Source](#) | [Improve this Doc](#)

Retrieves all shifts from the database.

Request

GET /api/Shifts

Responses

Status Code	Type	Description	Samples
200	ShiftRead[]	OK	
400	string	Bad Request	

Create

[View Source](#) | [Improve this Doc](#)

Creates a new shift.

Request

POST /api/Shifts

Parameters

Name	Type	Default	Notes
*body	ShiftCreate		Shift to create.

Responses

Status Code	Type	Description	Samples
201		Created	
400	string	Bad Request	

GetById

[View Source](#) | [Improve this Doc](#)

Retrieves a single shift from the database by Id.

Request

GET /api/Shifts/{id}

Parameters

Name	Type	Default	Notes
*id			Id of the shift.

Responses

Status Code	Type	Description	Samples
200	ShiftRead	OK	
400	string	Bad Request	

Delete

[View Source](#) | [Improve this Doc](#)

Deletes an existing shift.

Request

DELETE /api/Shifts/{id}

Parameters

Name	Type	Default	Notes
*id			Id of the shift.

Responses

Status Code	Type	Description	Samples
204		No Content	
400	string	Bad Request	

Update

[View Source](#) | [Improve this Doc](#)

Updates an existing shift.

Request

PUT /api/Shifts/{id}

Parameters

Name	Type	Default	Notes
*id			Id of the shift.
*body	ShiftUpdate		Shift to update.

Responses

Status Code	Type	Description	Samples
204		No Content	
400	string	Bad Request	

UpdateUsers

[View Source](#) | [Improve this Doc](#)

Updates users assigned to a shift.

Request

PUT /api/Shifts/{id}/users

Parameters

Name	Type	Default	Notes
*id			Id of the shift.
*body	UserRead[]		A list of users that will be assigned to the shift after update.

Responses

Status Code	Type	Description	Samples
204		No Content	
400	string	Bad Request	

GetUsers

[View Source](#) | [Improve this Doc](#)

Retrieves users assigned to a shift.

Request

GET /api/Shifts/{id}/users

Parameters

Name	Type	Default	Notes
*id			Id of the shift.

Responses

Status Code	Type	Description	Samples
200	UserRead[]	OK	
400	string	Bad Request	

Users

GetAll

[View Source](#) | [Improve this Doc](#)

Retrieves all users from the database.

Request

GET /api/Users

Responses

Status Code	Type	Description	Samples
200	UserRead[]	OK	
400	string	Bad Request	

Create

[View Source](#) | [Improve this Doc](#)

Creates a new user.

Request

POST /api/Users

Parameters

Name	Type	Default	Notes
*body	UserCreate		User to create.

Responses

Status Code	Type	Description	Samples
201		Created	
400	string	Bad Request	

GetById

[View Source](#) | [Improve this Doc](#)

Retrieves a single user from the database by Id.

Request

```
GET /api/Users/{id}
```

Parameters

Name	Type	Default	Notes
*id			Id of the user.

Responses

Status Code	Type	Description	Samples
200	UserRead	OK	
400	string	Bad Request	

Delete

[View Source](#) | [Improve this Doc](#)

Deletes an existing user.

Request

DELETE /api/Users/{id}

Parameters

Name	Type	Default	Notes
*id			Id of the user.

Responses

Status Code	Type	Description	Samples
204		No Content	
400	string	Bad Request	

Update

[View Source](#) | [Improve this Doc](#)

Updates an existing user.

Request

PUT /api/Users/{id}

Parameters

Name	Type	Default	Notes
*id			Id of the user.
*body	UserUpdate		User to update.

Responses

Status Code	Type	Description	Samples
204		No Content	

Status Code	Type	Description	Samples
400	string	Bad Request	

UpdateShifts

[View Source](#) | [Improve this Doc](#)

Updates shifts assigned to a user.

Request

PUT /api/Users/{id}/shifts

Parameters

Name	Type	Default	Notes
*id			Id of the user.
*body	ShiftRead[]		A list of shifts that will be assigned to the user after update.

Responses

Status Code	Type	Description	Samples
204		No Content	
400	string	Bad Request	

GetShifts

[View Source](#) | [Improve this Doc](#)

Retrieves shifts assigned to a user.

Request

GET /api/Users/{id}/shifts

Parameters

Name	Type	Default	Notes
*id			Id of the user.

Responses

Status Code	Type	Description	Samples
200	ShiftRead[]	OK	
400	string	Bad Request	

Definitions

ShiftRead

Name	Type	Notes
id	string (uuid)	
startTime	string (date-time)	
endTime	string (date-time)	

ShiftCreate

Name	Type	Notes
startTime	string (date-time)	
endTime	string (date-time)	

ShiftUpdate

Name	Type	Notes
startTime	string (date-time)	
endTime	string (date-time)	

UserRead

Name	Type	Notes
id	string (uuid)	
firstName	string	
lastName	string	
email	string	

UserCreate

Name	Type	Notes
firstName	string	
lastName	string	
email	string	

UserUpdate

Name	Type	Notes
firstName	string	
lastName	string	
email	string	