

NESTJS

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DAY 2

- Validation With DTO [Data Transfer Object]
- Pipes
- Middleware
- Connect With MongoDB [mongoose]



- I) npm i class-validator
- 2) npm i class-transformer (Pipe)



Users.controller.ts

```
Import { UsePipes, ValidationPipe } from `@nestjs/common`
@UsePipes(ValidationPipe)
@Post()
Create(@Body() user : UserWithDTO){
   return this.userService.Create(user);
}
```

Users.Service.ts

```
Create(user: UserWithDTO){
    // Ur Logic To Add New User
}
Update(id: number, user: UserWithDTO){
    // Ur Logic To Update Exist User
}
```

Users.dto.ts



Users.controller.ts

```
import {ParseIntPipe } from `@nestjs/common`

@Get(`:id`)
findOne(@Param( `id` ) id, ParseIntPipe){
    return this.userService.findOne( id );
}
```

- ValidationPipe
- •ParseIntPipe
- ParseFloatPipe
- ParseBoolPipe
- ParseArrayPipe
- ParseUUIDPipe
- ParseEnumPipe
- •DefaultValuePipe
- ParseFilePipe



LoggerMW.ts

```
Import { NestMiddleware } from `@nestjs/common`;
Import { Request, Response, NextFunction } from `express`;
export class LoggerMW implements NestMiddleware{

use(req:Request, res:Response, next:NextFunction){

//Ur Logic → next();
}
```

app.module.ts



- I) npm i @nestjs/mongoose
- 2) npm i mongoose

app.module.ts



```
Import * as mongoose from `mongoose`
export const OrderSchema =
new mongoose.Schema({
orderId: Number,
userId: Number, .....
})
```

orders.module.ts

```
Import {MongooseModule} from `@nestjs/mongoose`
@Module({
    imports: [
        UsersModule,
        OrdersModule,
        ProductsModule,
        MongooseModule.forRoot(`mongodb:localhost:27017/Orders`)
        ],
        controllers: [ ],
        providers: [ ]
})
export class AppModule{ }
```

orders.service.ts

```
Import {InjectModel} from `@nestjs/mongoose`
export class OrderService{
   constructor(
      @InjectModel(`orders`) private OrderModel
   ){ }
}
```



orders.service.ts

```
Import {InjectModel} from `@nestjs/mongoose`
Import {Model} from `mongoose`;
export class OrderService{
    constructor(
        @InjectModel(`orders`) private Model<IOrder>
    ){ }
}
```

orders.interface.ts

```
Import {Document} from `mongoose`;
export interface |Order extends Document{
    orderId: number;
    userId: number;
    .....
}
```