

Youbrary  
Client

Authentication Microservice

Auth Controller  
Base Route: /auth

@Post("/login") login(user: User): string  
@Post("/register") register(user: User)  
@Get("/google") googleLogin()  
@Get("/google/callback") login(user: GoogleUser)

Local Guard

Local Strategy

Google Guard

Google Strategy

Auth Service

validateUser(email: string, password: string): string  
createToken(userEmail: string, provider: Provider): string  
register(dtoUser: User):  
addGoogleUser(userEmail: string):

User

email: string  
password: string

User Microservice

User Controller

@MessagePattern('getAllUsers')  
getAllUsers(): User[]  
@MessagePattern('getUserByEmail')  
@MessagePattern('saveUser')

User Service

getAllUsers(): User[]  
getUserByEmail(email: string): User  
saveUser(user: User): User

User

email: string  
password: string

Book Microservice

Book Controller  
Base Route: /books

@Get('/:email') getAllBooksByEmail(): Book[]  
@Get('/:bookID/:bookID') getBookID(): Book  
@Post() addBook(book: Book): Book  
@Put() updateBook(book: Book): Book  
@Delete('clear') clearCollection()  
@Delete('/:bookID') deleteBook()

JWT Guard

JWT Strategy

Book Service

getAllBooksByEmail(email: string): Book[]  
getBookByID(bookID: string): Book  
saveBook(book: Book): Book  
updateBook(book: Book): Book  
clearCollection()  
deleteBook(bookID: string)

Book

id: string  
userEmail: string  
title: string  
author: string  
description: string  
isbn: string  
publisher: string  
numberOfPages: number  
coverImage: number

Google API

MongoDB  
Youbrary