Tecnologia em Análise e Desenvolvimento de Sistemas

Desenvolvimento Web Back-end

Prática Compensatória

GraphQL - Bazar Books Mobile App

Nome	Matrícula
Ana Laura Angelieri	BP3038262
Évelin Ferreira da Silva	BP3039447
Giovanna Laura Cravo e Silva	BP3039391
Soraya Costa Soares	BP3039315

Sumário

1 Especificações

1.1 Entidades do sistema

Entidade	Schema	Query	Mutation

Ana - Author	`type Author {`
	`  idAuthor: Int!`
	`  name: String!`
	`  imageUrl: String`
	`  description: String`
	`  books: [Book]`
	`}`
		`getAllAuthors: [Author]`
		
		`getAuthorById(id: Int!): Author`
			`createAuthor(authorInput: AuthorInput!): Author`
			
			`updateAuthor(id: Int!, authorInput: AuthorInput!): Author`
			
			`deleteAuthor(id: Int!): String`

Évelin - Address	`type Address {`
	`  id: ID!`
	`  street: String!`
	`  number: Int!`
	`  complement: String`
	`  district: String!`
	`  city: String!`
	`  state: String!`
	`  postalCode: String!`
	`  latitude: Float!`
	`  longitude: Float!`
	`  user: User!`
	`}`
		`getAllAddresses: [Address!]!`
		
		`getAddressById(id: ID!): Address`
		
		`getAddressesByUserId(userId: ID!): [Address!]!`
			`createAddress(addressInput: AddressInput!): Address!`
			
			`updateAddress(id: ID!, addressInput: AddressInput!): Address`
			
			`deleteAddress(id: ID!): String!`

Giovanna - Notificatio n	`type Notification {`
	`  idNotification: Int!`
	`  title: String!`
	`  message: String!`
	`  read: Boolean!`
	`  sentDate: String`
	`  user: User!`
	`}`
		`getAllNotificationsByUser(idUser: Int!): [Notification!]!`
		
		`getUnreadNotificationsByUser(idUser: Int!): [Notification!]!`
			`createFavoriteNotification(idUser: Int!, bookId: Int!): Notification`
			
			`markNotificationAsRead(id: Int!): String`

		`getNotificationById(id: Int!): Notification`	`deleteNotification(idUser: Int!, id: Int!): String`

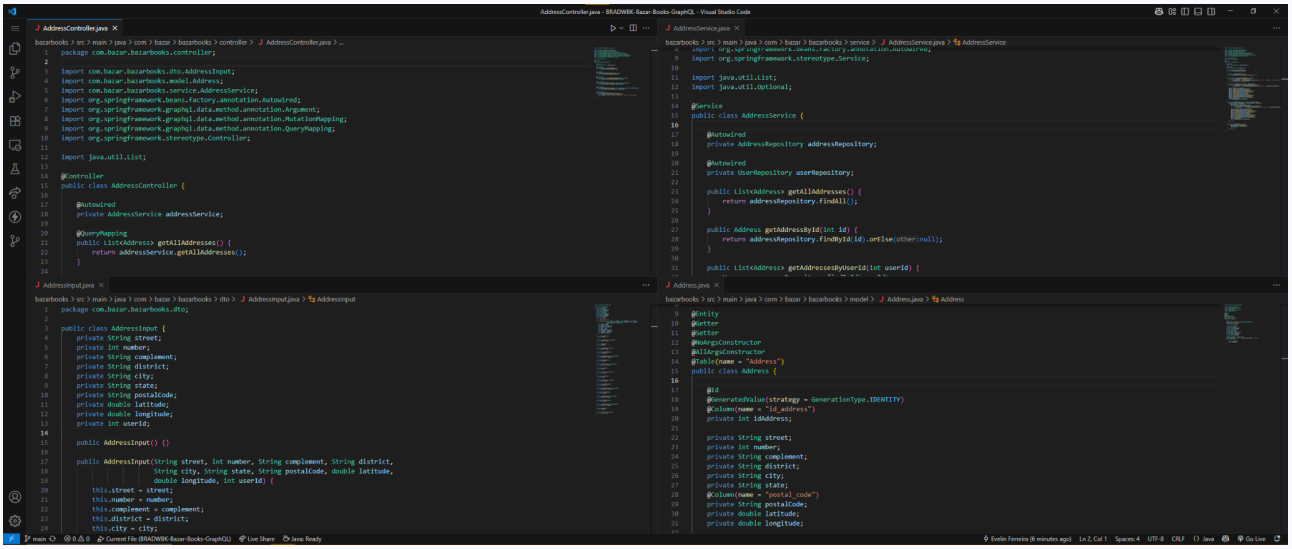
Soraya - Cart	`type Cart { id_cart: ID! userId: Int! items: [CartItem!]! total: Float! }`	`cartByUserId(userId: Int!): Cart`	`createCart(userId: Int!): Cart`
			
			`deleteCart(cartId: ID!): String`

Soraya CartItem	`type CartItem { id: ID! bookId: Int! unitPrice: Float! quantity: Int! subtotal: Float! }`	`cartItemsByCartId(cartId: Int!): [CartItem!]!`	`addCartItem(cartId: ID!, item: CartItemInput!): CartItem`
			
			`updateCartItemQuantity(cartId: ID!, itemId: ID!, quantity: Int!): CartItem`
			
			`removeCartItem(cartId: ID!, itemId: ID!): String`

Tabela - Schema das Entidades

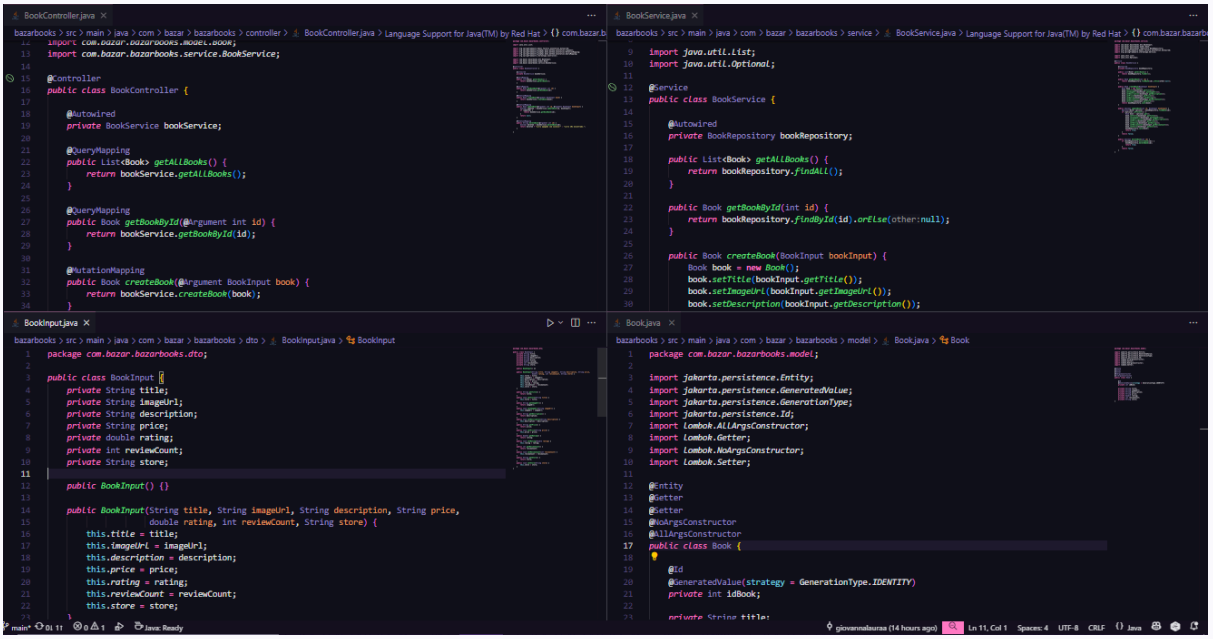
1.2 Classes Java

Évelin - Address:



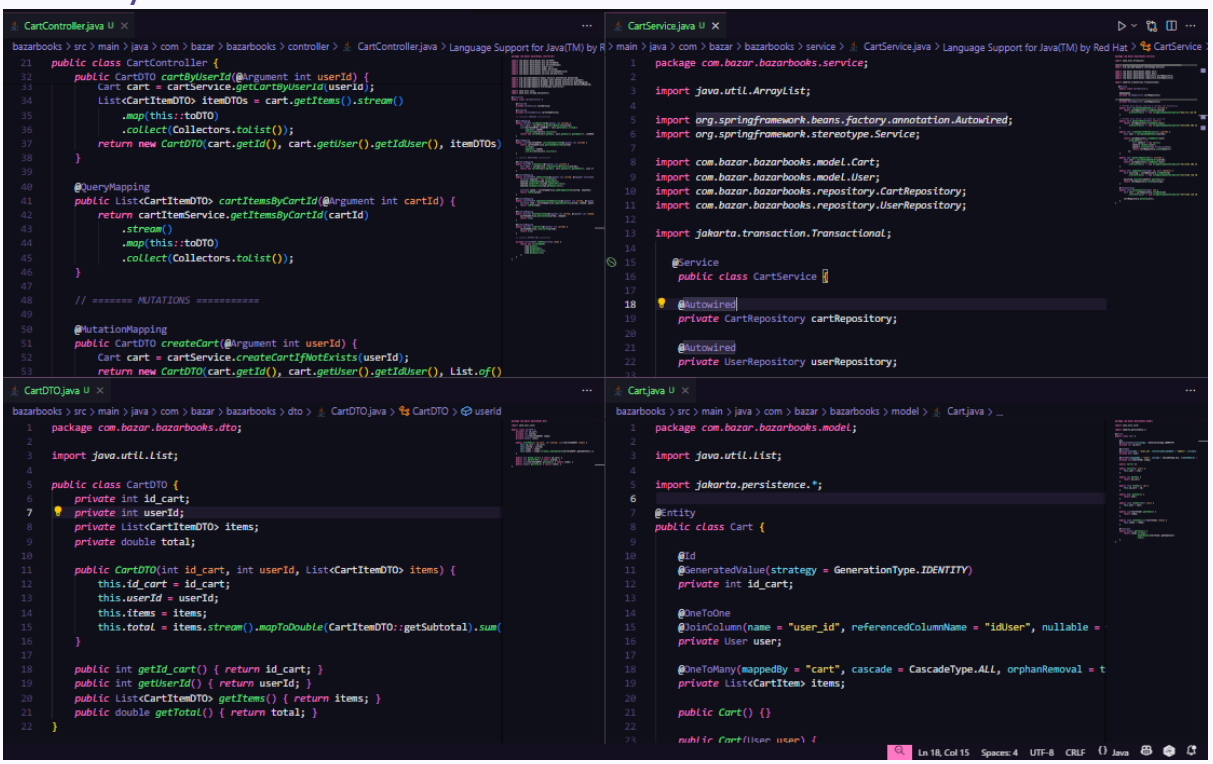
Classes Java para a Entidade de Address

Book:



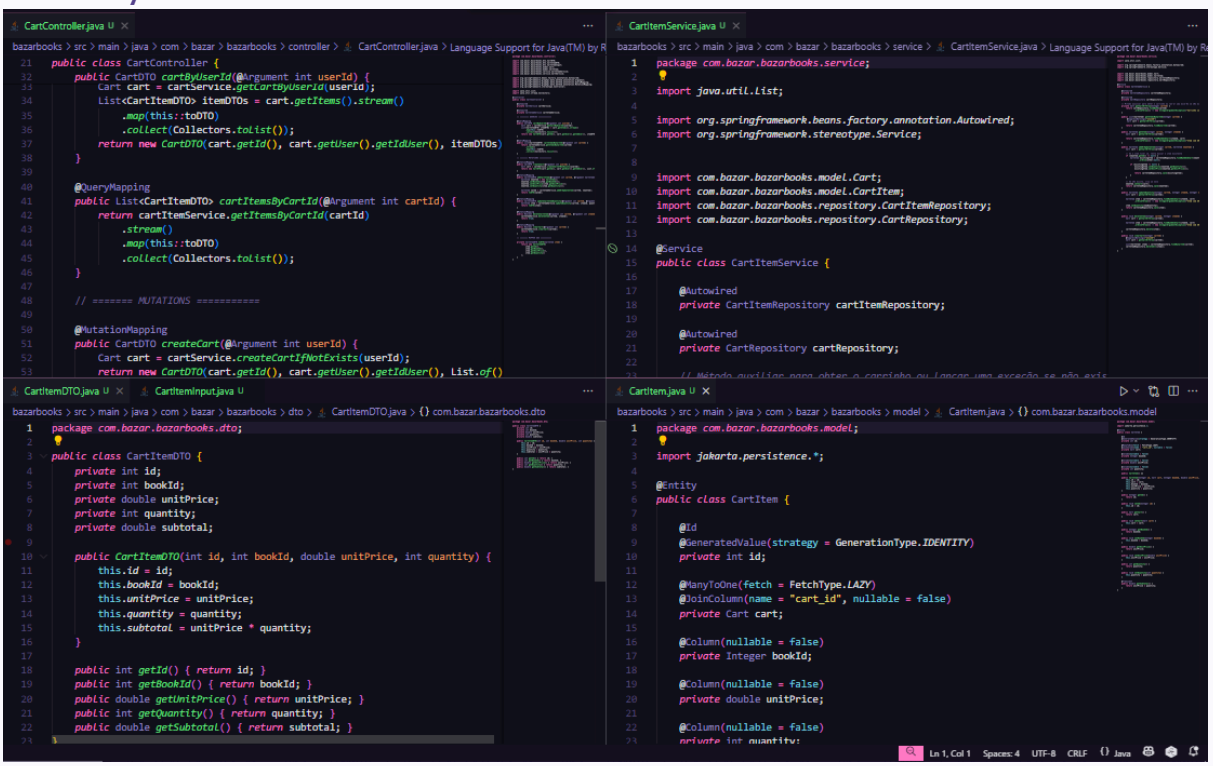
Classes Java para a Entidade de Book

Soraya - Cart:



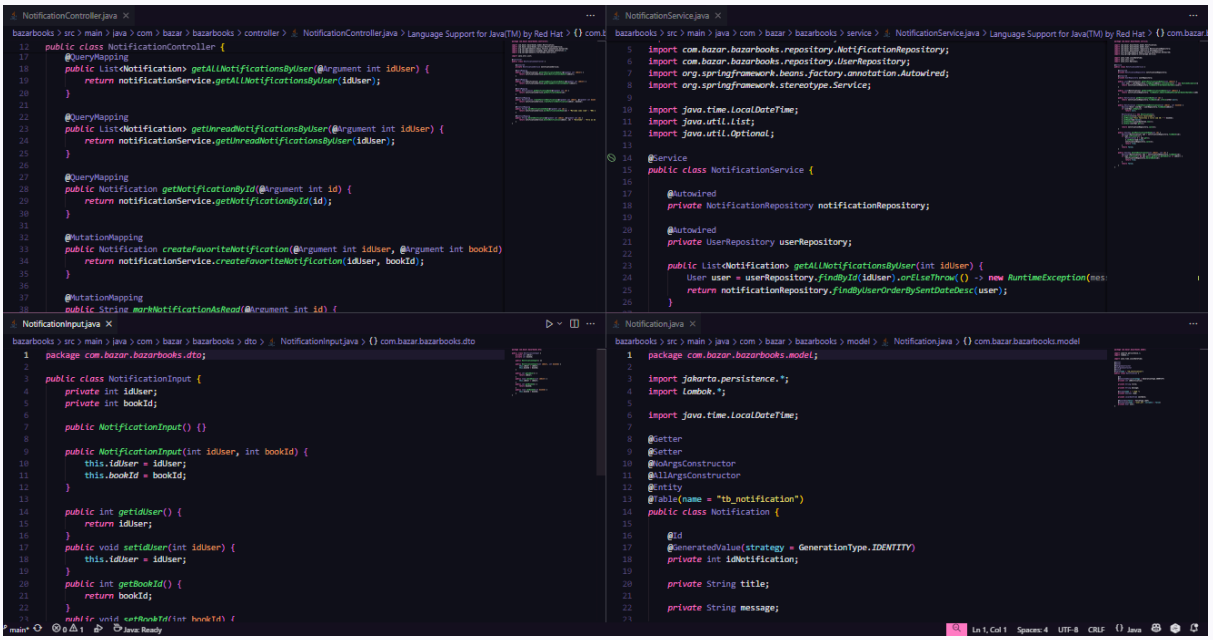
Classes Java para a Entidade de Cart

Soraya - CartItem:



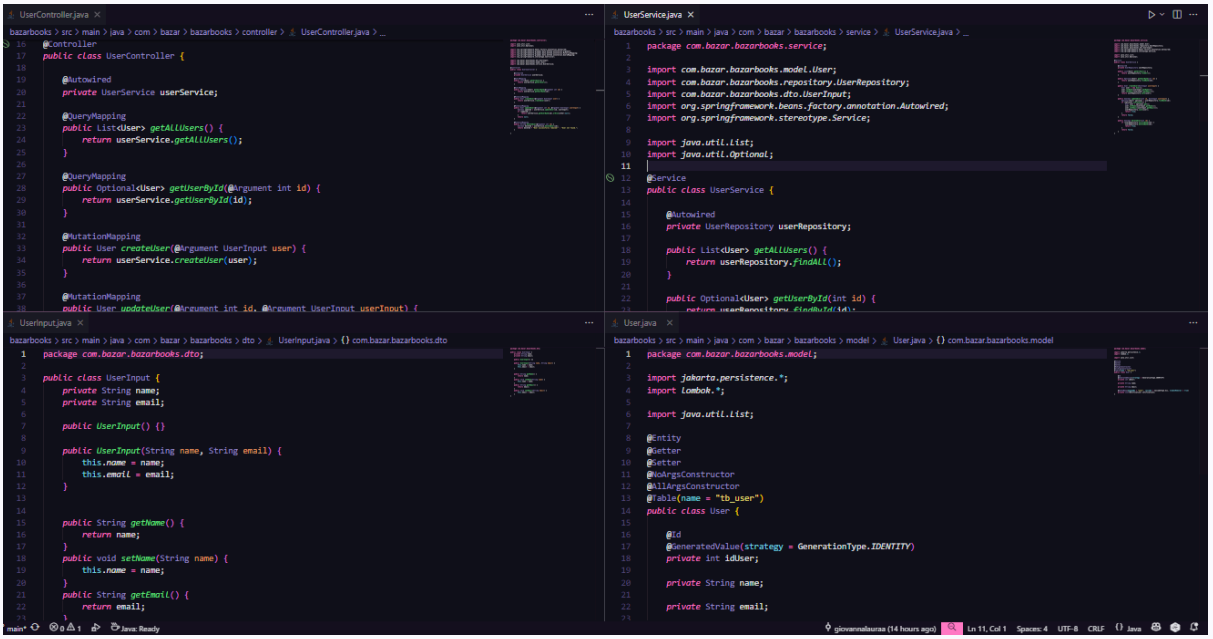
Classes Java para a Entidade de CartItem

Giovanna - Notification:



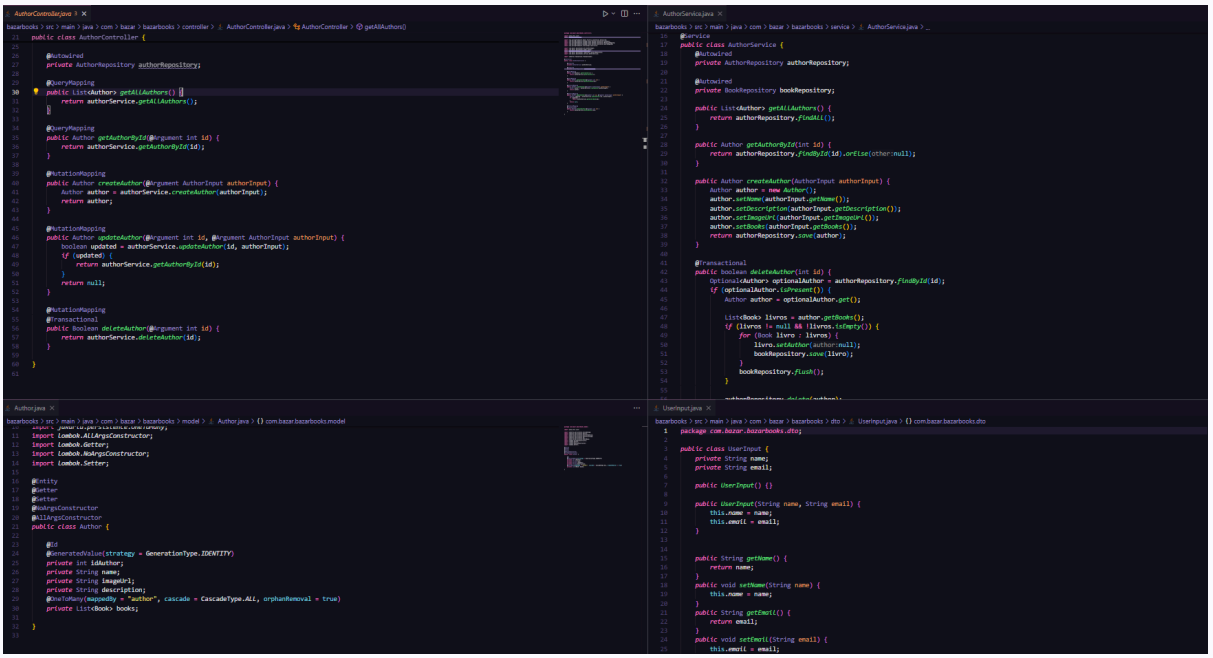
Classes Java para a Entidade de Notification

User:



Classes Java para a Entidade de User

Ana Laura - Author:

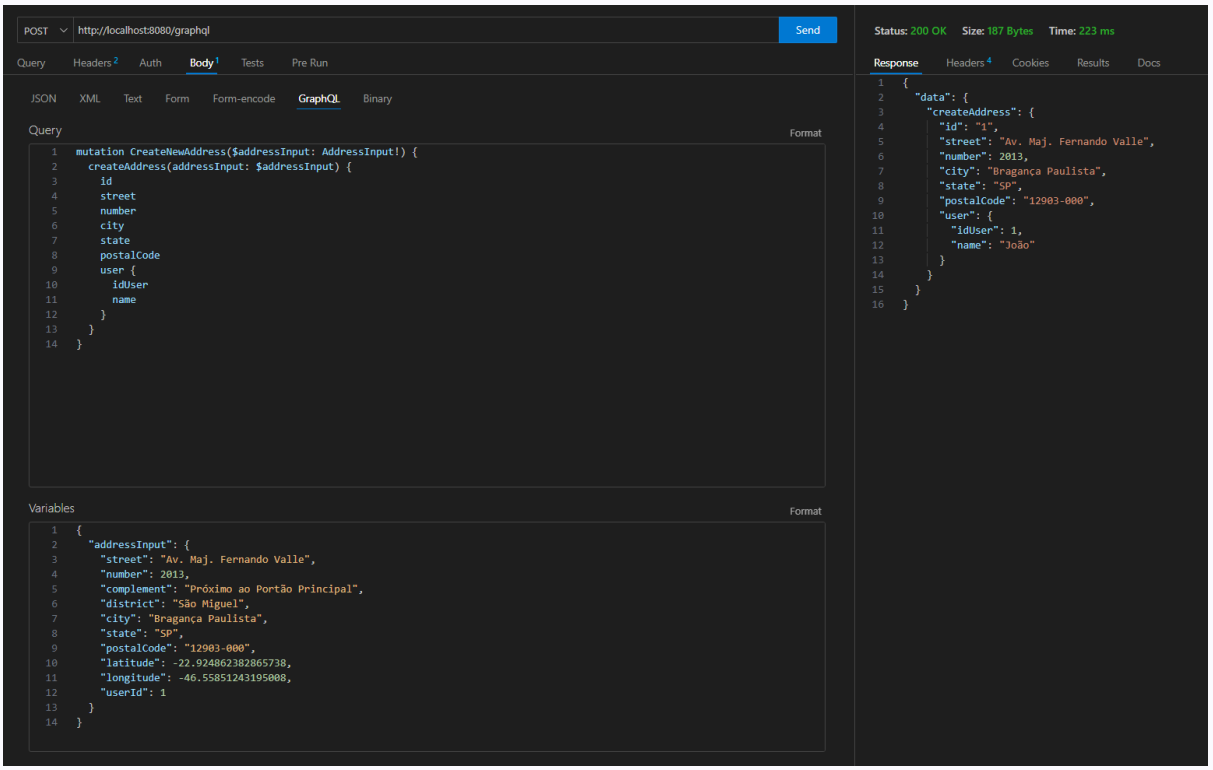


Classes Java para a Entidade de Author

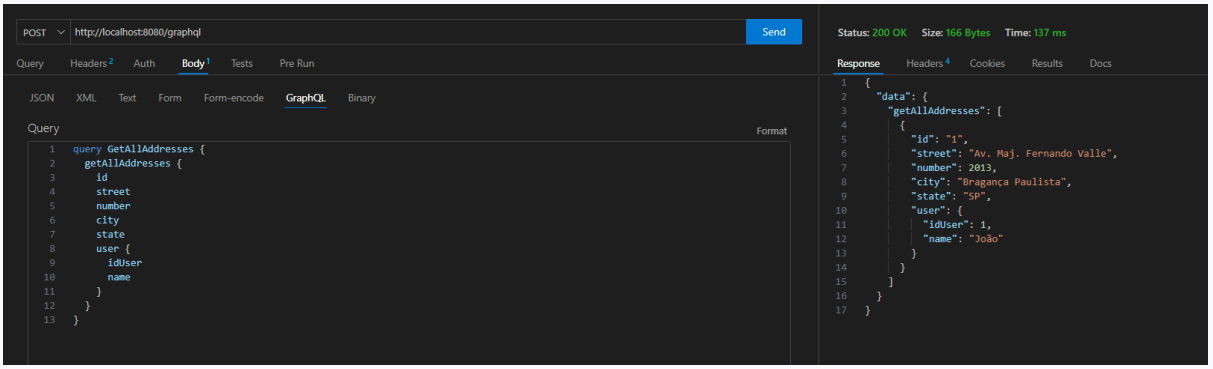
2 Evidências dos Testes Funcionais

As seguintes seções apresentam as evidências dos testes funcionais, realizados utilizando o Thunder Client no VS Code. Cada imagem corresponde a uma requisição e sua respectiva resposta, demonstrando o comportamento esperado (e alguns erros comuns) dos endpoints.

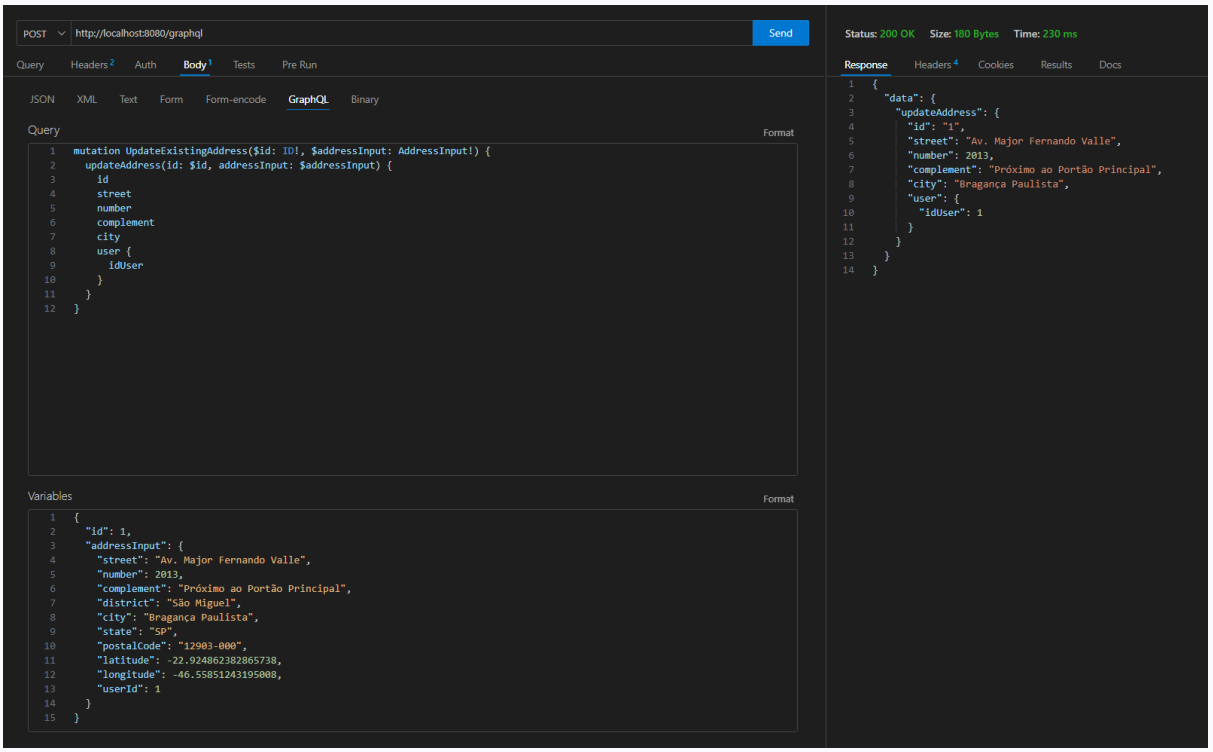
2.1 Entidade Address



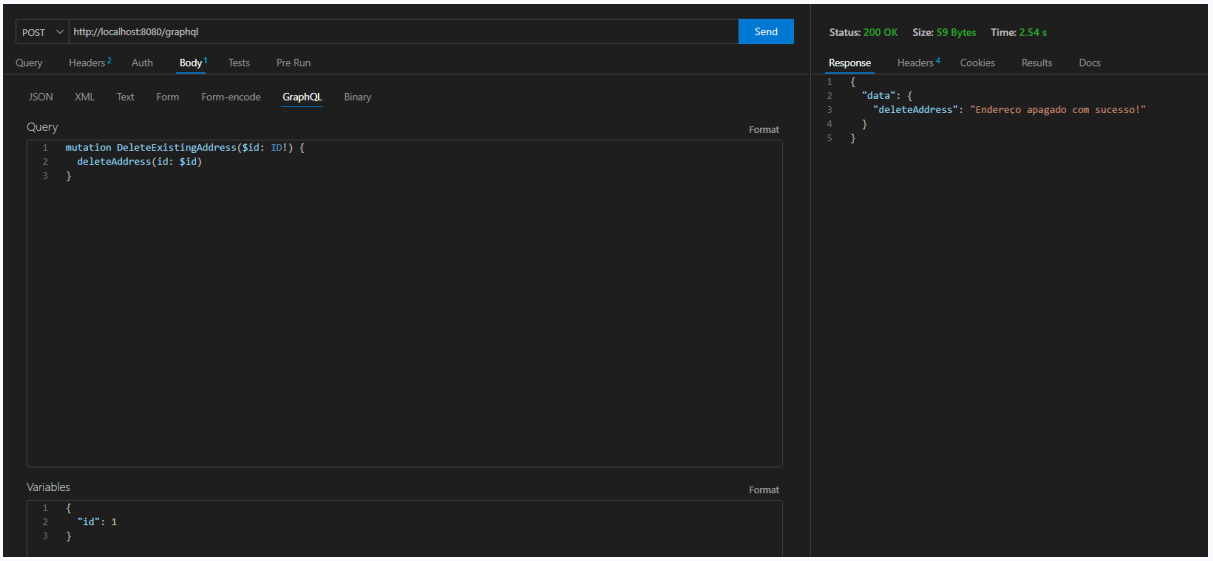
Exemplo de mutation para criação de um Address



Exemplo de query para listar todos os Address

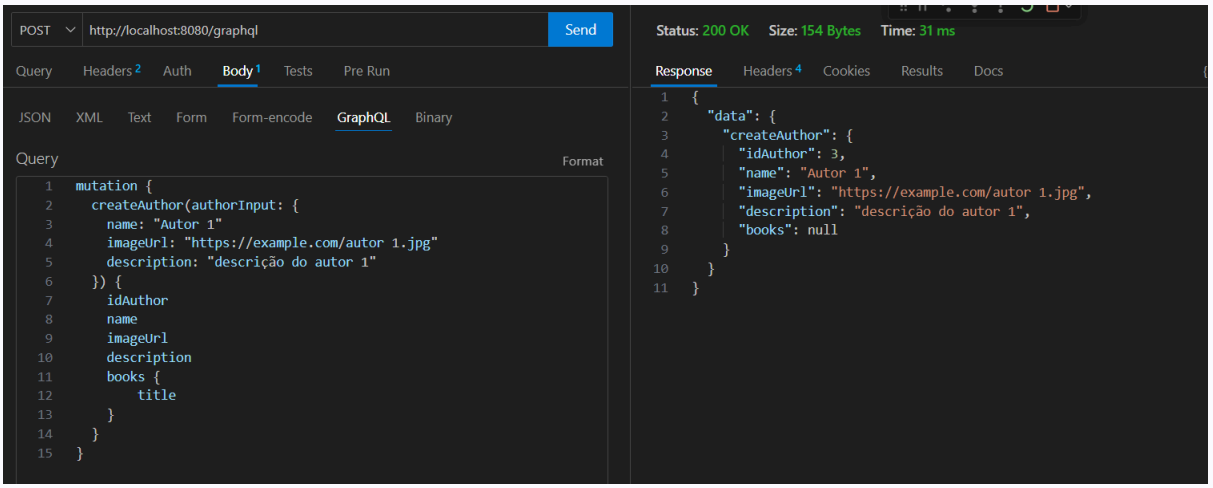


Exemplo de mutation para atualizar um Address

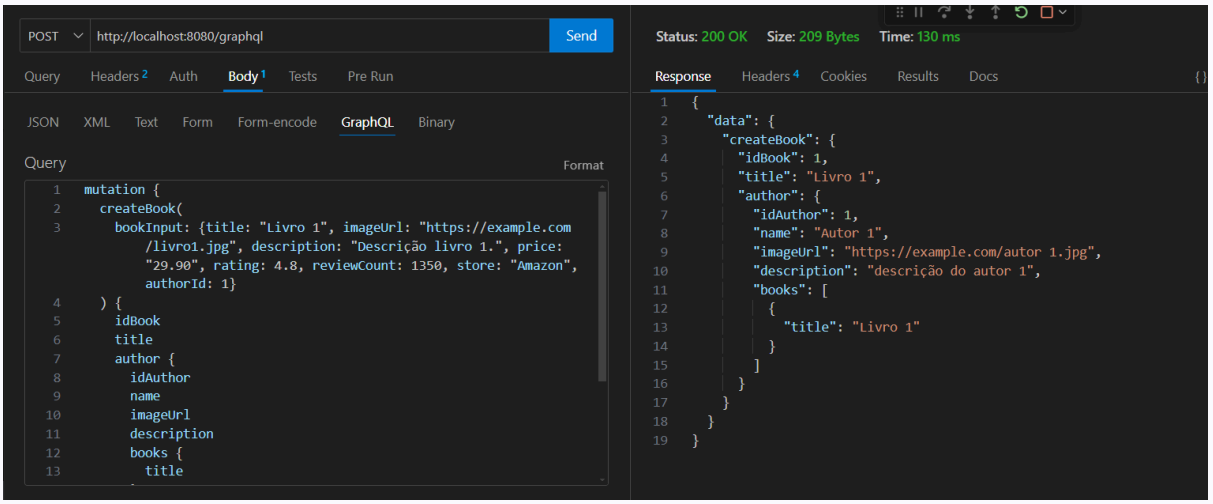


Exemplo de mutation para deletar um Address

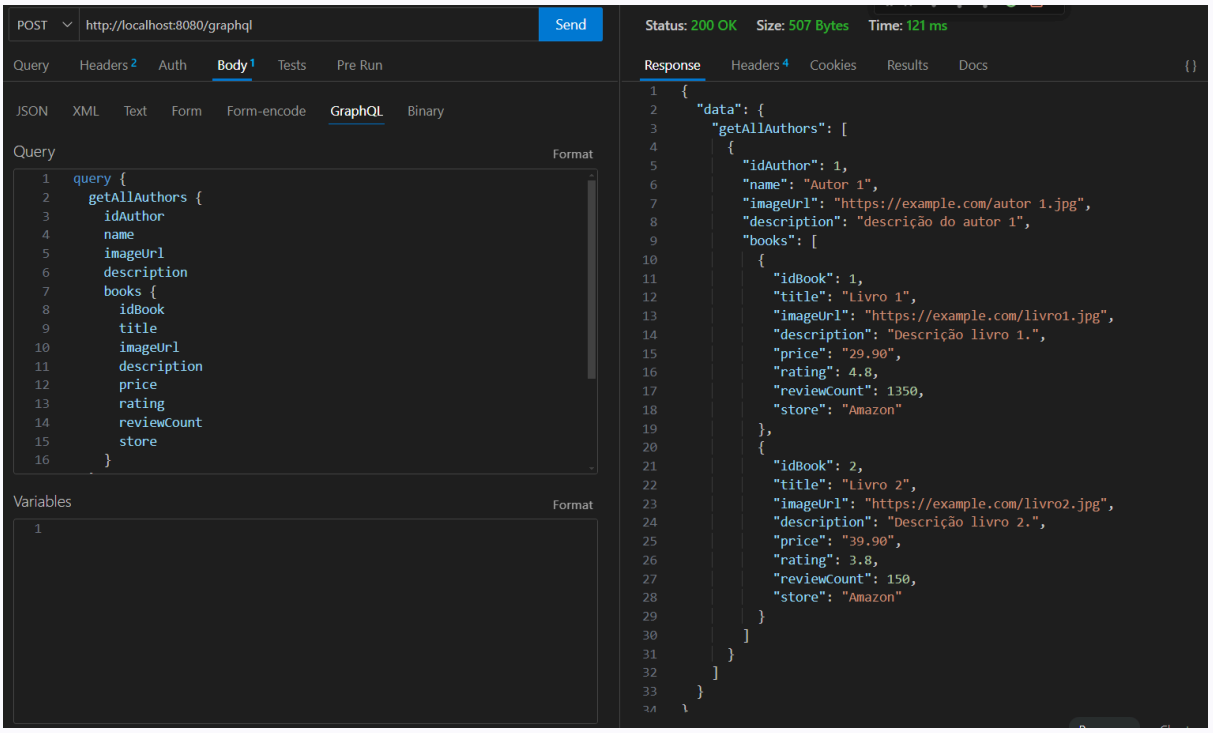
2.2 Entidade Author



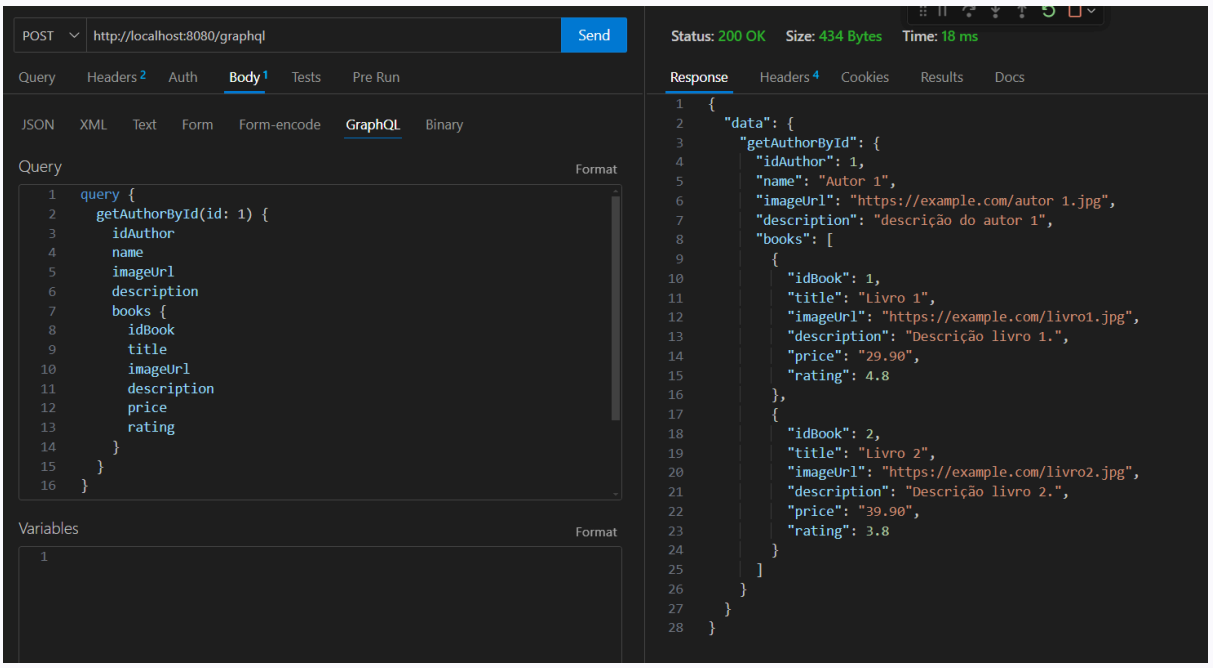
Exemplo de mutation para criar um Author



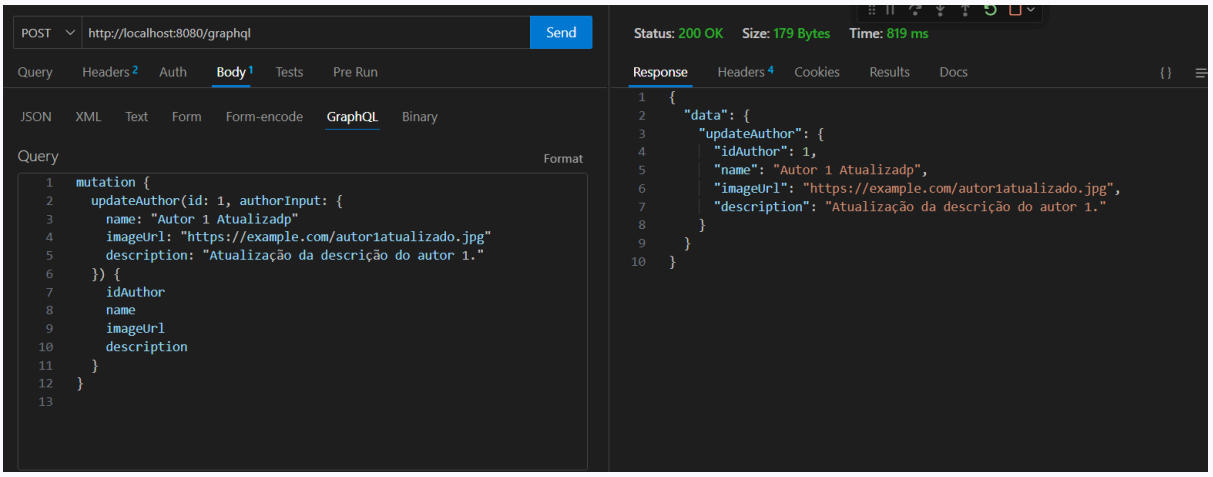
Exemplo de mutation para criar um Book que recebe um Author



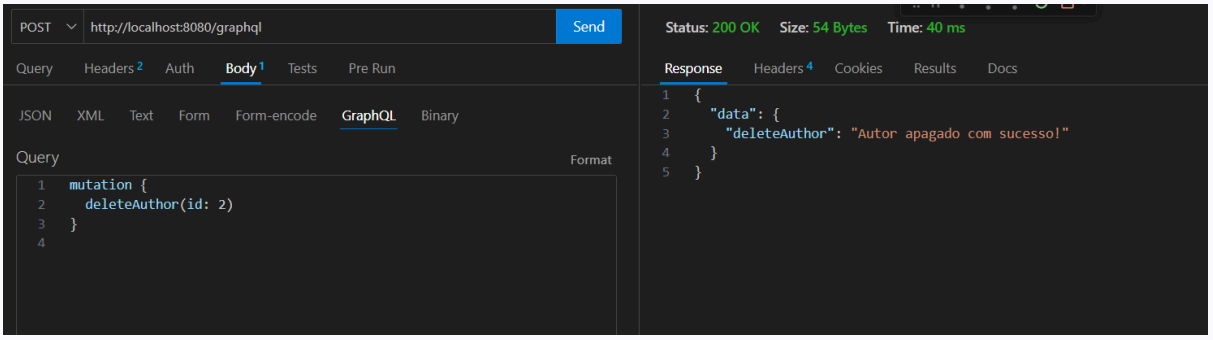
Exemplo de query para listar todos os Authors



Exemplo de query para listar o Author com id específico

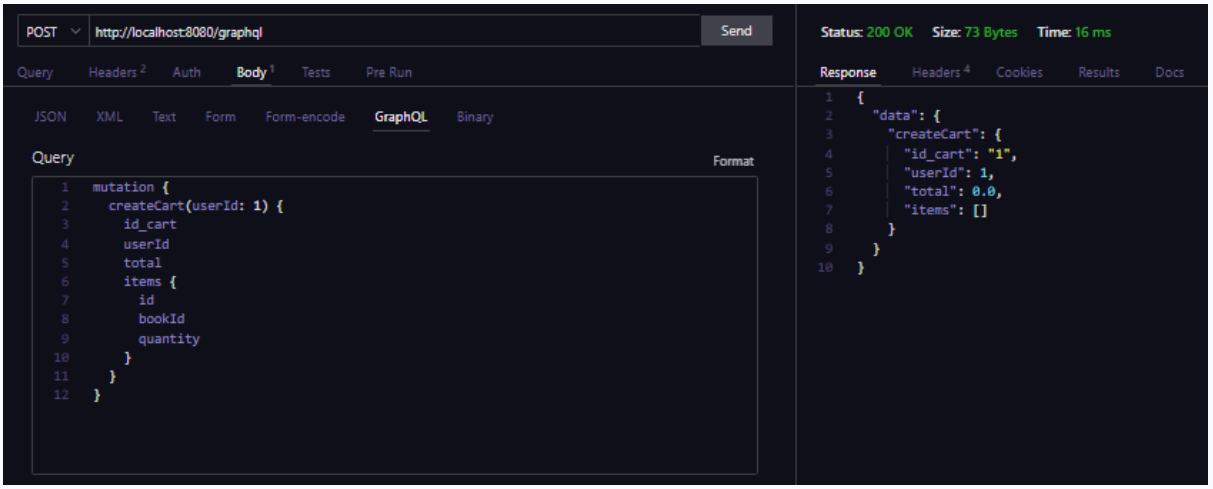


Exemplo de mutation para atualizar um Author

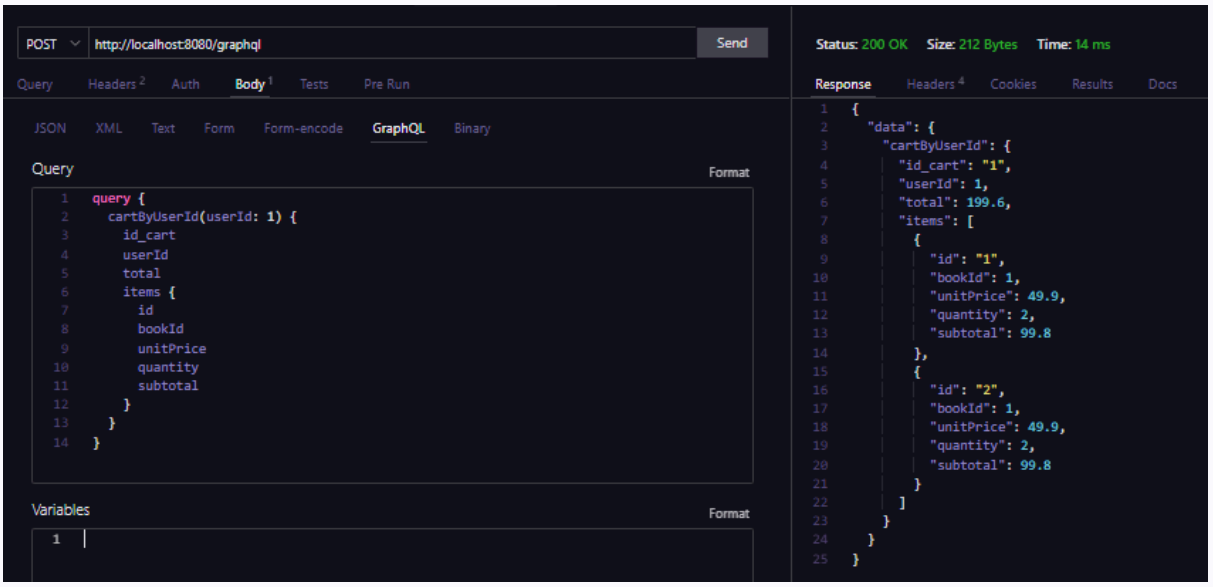


Exemplo de mutation para deletar um Author

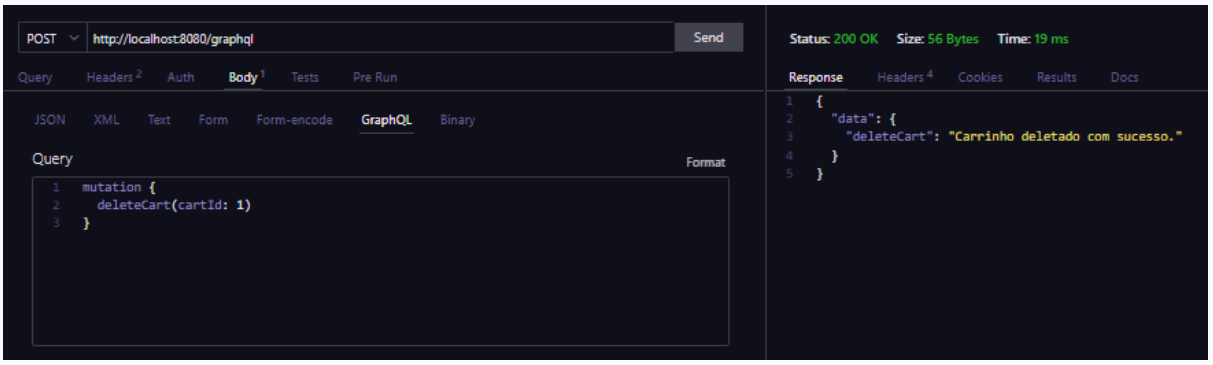
2.3 Entidade Cart



Exemplo de mutation para insert de Cart

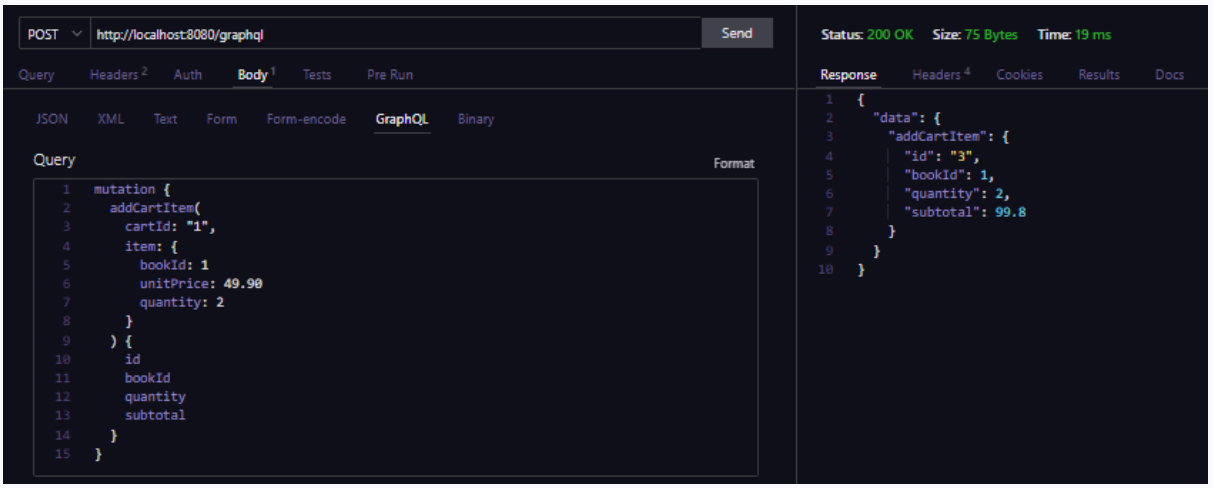


Exemplo de query para Cart

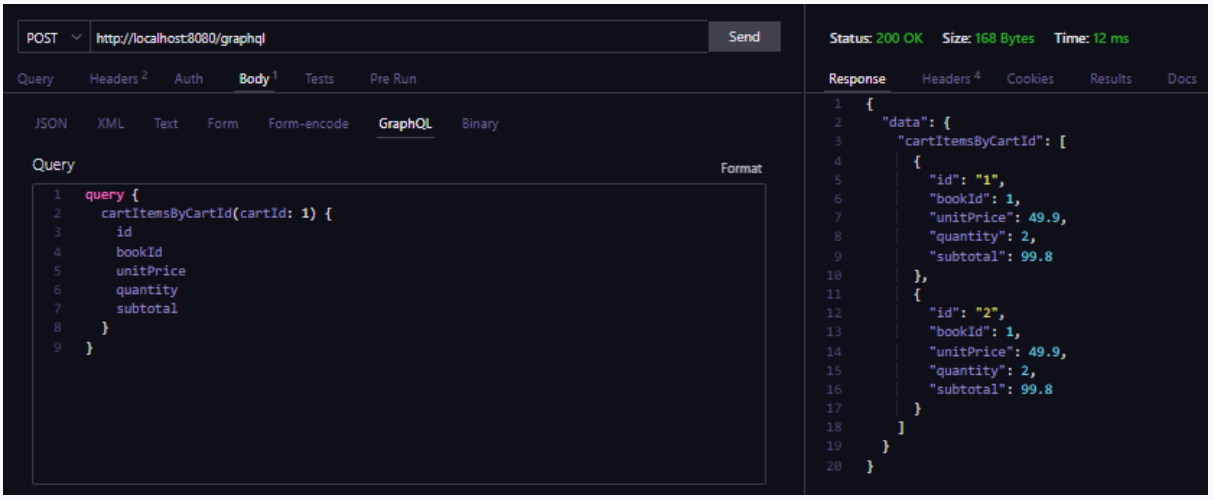


Exemplo de mutation para exclusão de Cart

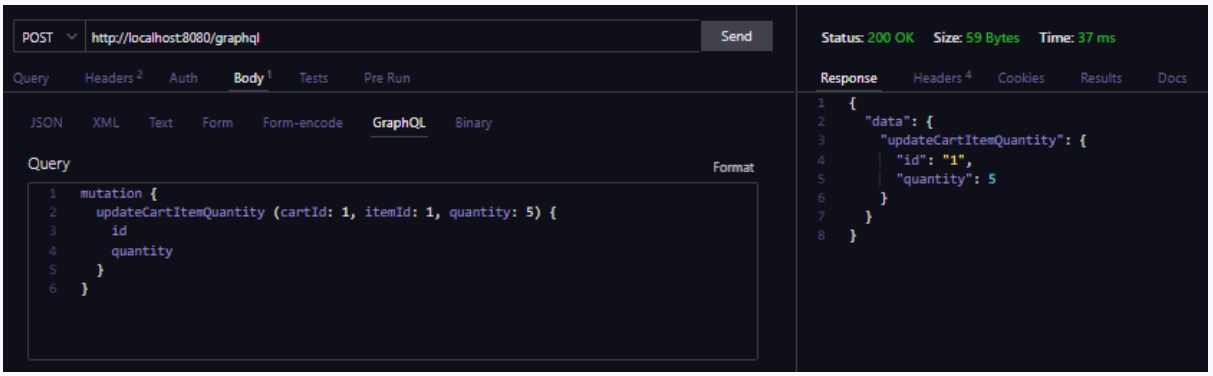
2.4 Entidade CartItem



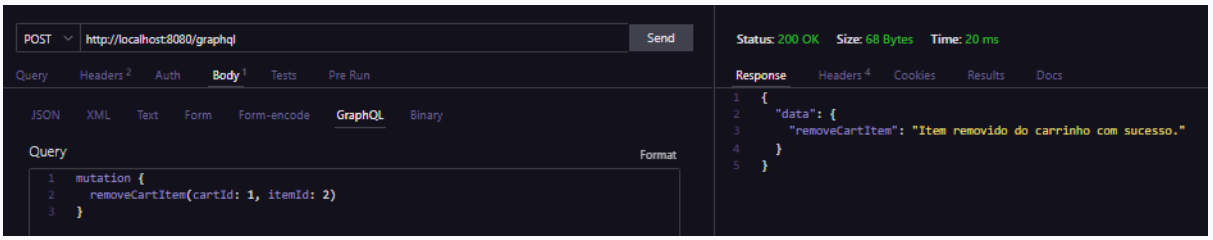
Exemplo de mutation para inserção de CartItem



Exemplo de query para CartItem

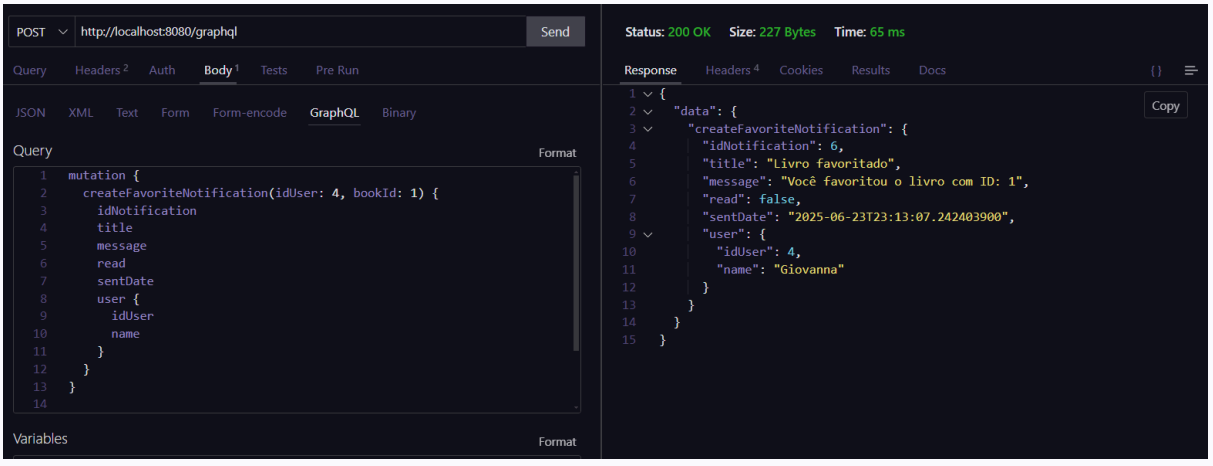


Exemplo de mutation para atualização de CartItem

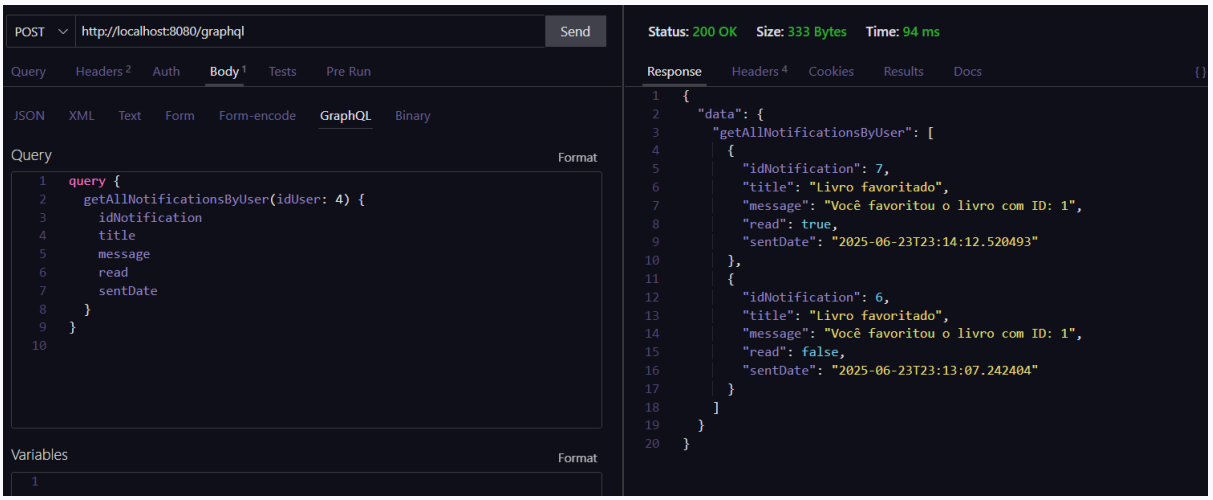


Exemplo de mutation para exclusão de CartItem

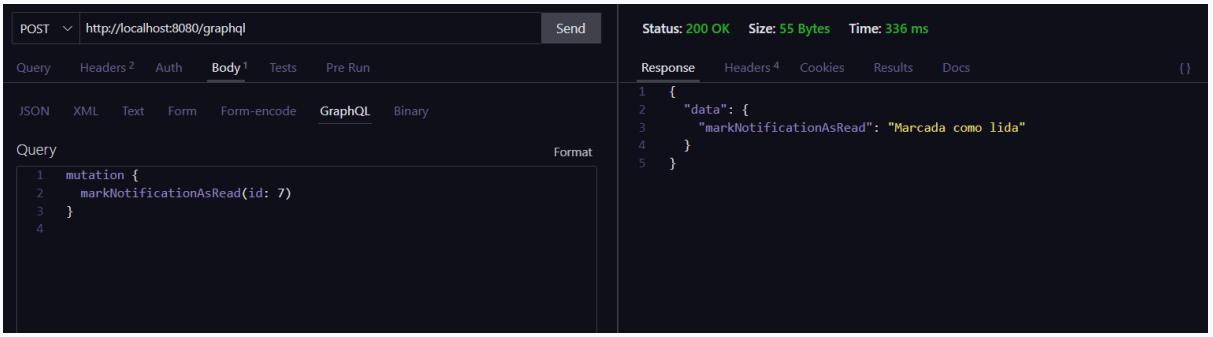
Entidade Notification



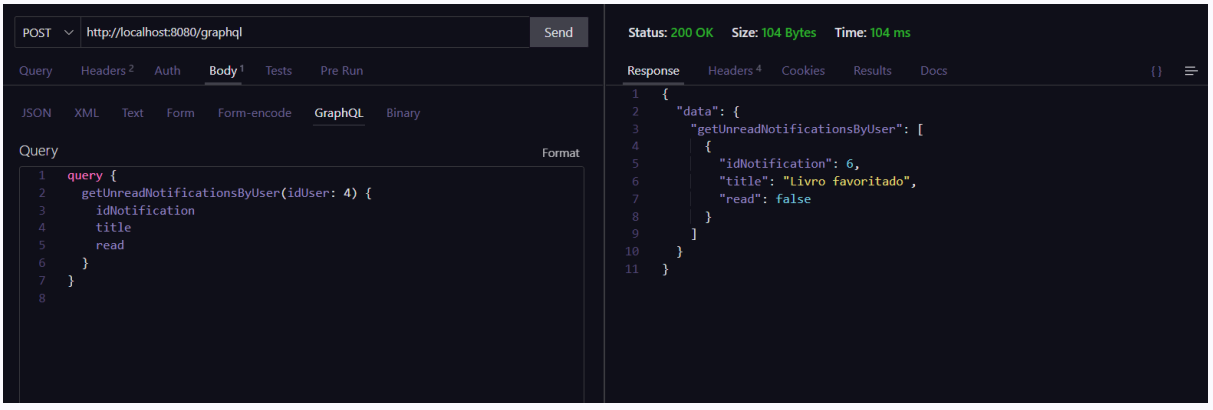
Exemplo de mutation para inserção de Notification



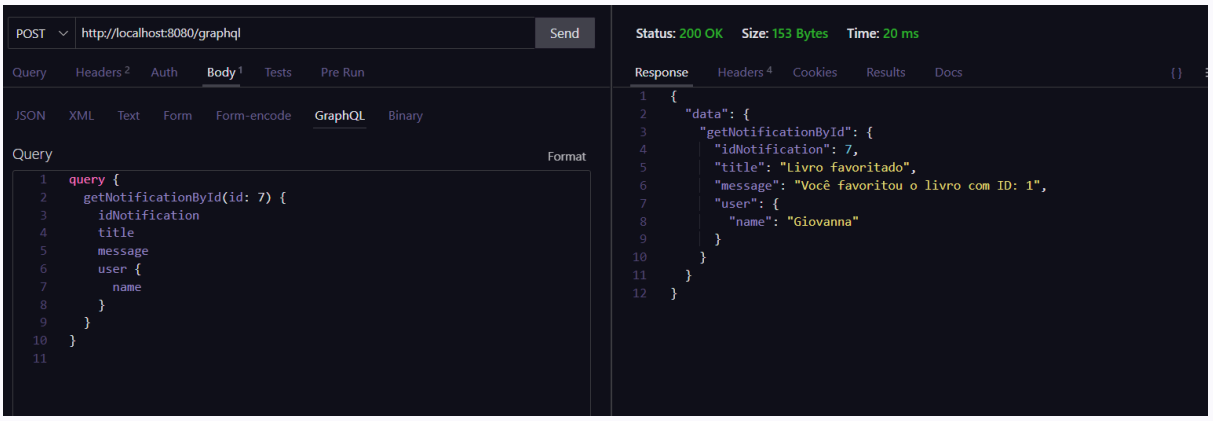
Exemplo de query para Notification - getAllNotifications



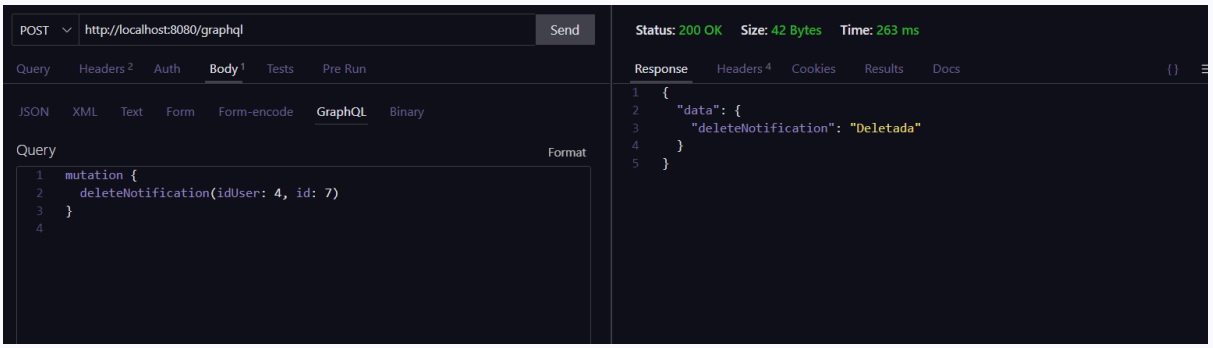
Exemplo de query para Notification - markNotificationAsRead



Exemplo de query para Notification - getUnreadNotificationByUser



Exemplo de query para Notification - getNotificationById



Exemplo de query para Notification - deleteNotification