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findByExpenseId(Long) - Method in interface `com.mapmyjourney.backend.repository.ExpenseSplitRepository`

Obtiene todas las divisiones de un gasto.

findByParticipantIdAndPaidFalse(Long) - Method in interface `com.mapmyjourney.backend.repository.ExpenseSplitRepository`

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findByTripCode(String) - Method in interface `com.mapmyjourney.backend.repository.TripRepository`

Busca un viaje por su código único (para invitaciones).

findByTripId(Long) - Method in interface `com.mapmyjourney.backend.repository.ExpenseRepository`

Obtiene todos los gastos de un viaje.

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getTotalPendingDebt(Long) - Method in class com.mapmyjourney.backend.service.ExpenseSplitService
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getTotalSplits() - Method in class com.mapmyjourney.backend.model.Expense
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getTripByCode(String) - Method in class com.mapmyjourney.backend.controller.TripController
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getTripByCode(String) - Method in class com.mapmyjourney.backend.service.TripService
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getTripByld(Long) - Method in class com.mapmyjourney.backend.controller.TripController
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getTripByld(Long) - Method in class com.mapmyjourney.backend.service.TripService
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getUserTrips(Long) - Method in class `com.mapmyjourney.backend.service.TripService`

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GlobalExceptionHandler - Class in `com.mapmyjourney.backend.config`

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handleValidationException(ValidationException) - Method in class `com.mapmyjourney.backend.config.GlobalExceptionHandler`

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handleValidationExceptions(MethodArgumentNotValidException) - Method in class

`com.mapmyjourney.backend.config.GlobalExceptionHandler`

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hasPermission(TripMemberRole) - Method in enum class `com.mapmyjourney.backend.model.enums.TripMemberRole`

Verifica si este rol tiene un permiso específico.

hasPermission(TripMemberRole) - Method in class `com.mapmyjourney.backend.model.TripMember`

Verifica si este miembro tiene el permiso requerido.

hasRole(Long, Long, TripMemberRole) - Method in class `com.mapmyjourney.backend.service.TripMemberService`

Verifica si un usuario tiene un rol específico en un viaje.

health() - Method in class `com.mapmyjourney.backend.controller.HealthController`

Verifica que el servidor backend está disponible

HealthController - Class in `com.mapmyjourney.backend.controller`

Controlador para verificar el estado de los servicios del backend Usado por la página de estado para comprobar que el backend está disponible

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isMemberOfTrip(Long, Long) - Method in class `com.mapmyjourney.backend.service.TripMemberService`

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isOwner() - Method in class `com.mapmyjourney.backend.model.TripMember`

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JwtTokenProvider - Class in `com.mapmyjourney.backend.security`

JwtTokenProvider() - Constructor for class `com.mapmyjourney.backend.security.JwtTokenProvider`

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loadUserByUsername(String) - Method in class `com.mapmyjourney.backend.security.CustomUserDetailsService`

login(LoginRequestDTO) - Method in class `com.mapmyjourney.backend.controller.UserController`

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LoginRequestDTO - Class in `com.mapmyjourney.backend.dto`

DTO para solicitud de login.

LoginRequestDTO() - Constructor for class `com.mapmyjourney.backend.dto.LoginRequestDTO`

LoginRequestDTO(String, String) - Constructor for class `com.mapmyjourney.backend.dto.LoginRequestDTO`

LoginResponseDTO - Class in [com.mapmyjourney.backend.dto](#)

DTO para respuesta de login (contiene el token JWT y datos del usuario).

LoginResponseDTO(String, Long, UserDTO) - Constructor for class [com.mapmyjourney.backend.dto.LoginResponseDTO](#)

LoginResponseDTO(String, String, Long, UserDTO) - Constructor for class [com.mapmyjourney.backend.dto.LoginResponseDTO](#)

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Método principal que arranca la aplicación Spring Boot.

MANUAL - Enum constant in enum class [com.mapmyjourney.backend.model.enums.ExpenseSplitType](#)

markAsPaid(Long) - Method in class [com.mapmyjourney.backend.service.ExpenseSplitService](#)

Marca una división como pagada.

markAsUnpaid(Long) - Method in class [com.mapmyjourney.backend.service.ExpenseSplitService](#)

Marca una división como no pagada.

markSplitAsPaid(Long) - Method in class [com.mapmyjourney.backend.service.ExpenseService](#)

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markSplitAsPaid(Long, Long) - Method in class [com.mapmyjourney.backend.controller.ExpenseSplitController](#)

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markSplitAsUnpaid(Long, Long) - Method in class [com.mapmyjourney.backend.controller.ExpenseSplitController](#)

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onUpdate() - Method in class [com.mapmyjourney.backend.model.Expense](#)

onUpdate() - Method in class [com.mapmyjourney.backend.model.User](#)

OpenApiConfig - Class in [com.mapmyjourney.backend.config](#)

Configuración de OpenAPI/Swagger para la API REST.

OpenApiConfig() - Constructor for class [com.mapmyjourney.backend.config.OpenApiConfig](#)

OWNER - Enum constant in enum class [com.mapmyjourney.backend.model.enums.TripMemberRole](#)

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passwordEncoder() - Method in class [com.mapmyjourney.backend.security.SecurityConfig](#)

Define el encoder de contraseñas (BCrypt).

PERCENTAGE - Enum constant in enum class [com.mapmyjourney.backend.model.enums.ExpenseSplitType](#)

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registerUser(UserCreateRequestDTO) - Method in class [com.mapmyjourney.backend.service.UserService](#)

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registerUserAndAuthenticate(UserCreateRequestDTO) - Method in class [com.mapmyjourney.backend.service.UserService](#)

Registra un nuevo usuario y lo autentica automáticamente.

removeMember(Long, Long) - Method in class [com.mapmyjourney.backend.controller.TripMemberController](#)

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removeMemberFromTrip(Long, Long) - Method in class [com.mapmyjourney.backend.service.TripMemberService](#)

Elimina un miembro de un viaje.

ResourceNotFoundException - Exception Class in [com.mapmyjourney.backend.exception](#)

Excepción base para errores de recursos no encontrados.

ResourceNotFoundException(String) - Constructor for exception class

[com.mapmyjourney.backend.exception.ResourceNotFoundException](#)

ResourceNotFoundException(String, Throwable) - Constructor for exception class

[com.mapmyjourney.backend.exception.ResourceNotFoundException](#)

run(String...) - Method in class [com.mapmyjourney.backend.config.DatabaseSeeder](#)

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SecurityConfig() - Constructor for class [com.mapmyjourney.backend.security.SecurityConfig](#)

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Trip - Class in com.mapmyjourney.backend.model
Entidad que representa un viaje colaborativo.

Trip() - Constructor for class com.mapmyjourney.backend.model.Trip

TripController - Class in com.mapmyjourney.backend.controller
Controlador REST para gestionar viajes.

TripController() - Constructor for class com.mapmyjourney.backend.controller.TripController

TripCreateRequestDTO - Class in com.mapmyjourney.backend.dto
DTO para crear un nuevo viaje.

TripCreateRequestDTO() - Constructor for class com.mapmyjourney.backend.dto.TripCreateRequestDTO

TripCreateRequestDTO(String, String, String, LocalDate, LocalDate, BigDecimal) - Constructor for class com.mapmyjourney.backend.dto.TripCreateRequestDTO

TripDTO - Class in com.mapmyjourney.backend.dto
DTO para información completa de un viaje.

TripDTO() - Constructor for class com.mapmyjourney.backend.dto.TripDTO

TripMember - Class in com.mapmyjourney.backend.model
Entidad que representa la relación entre un Usuario y un Viaje.

TripMember() - Constructor for class com.mapmyjourney.backend.model.TripMember

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TripMemberController() - Constructor for class com.mapmyjourney.backend.controller.TripMemberController

TripMemberDTO - Class in com.mapmyjourney.backend.dto
DTO para información de un miembro de un viaje.

TripMemberDTO() - Constructor for class com.mapmyjourney.backend.dto.TripMemberDTO

TripMemberRepository - Interface in com.mapmyjourney.backend.repository

TripMemberRole - Enum Class in com.mapmyjourney.backend.model.enums
Enumeración que define los roles de un usuario dentro de un viaje.

TripMemberService - Class in com.mapmyjourney.backend.service
Servicio para gestionar la membresía de usuarios en viajes.

TripMemberService() - Constructor for class com.mapmyjourney.backend.service.TripMemberService

TripRepository - Interface in com.mapmyjourney.backend.repository

TripService - Class in com.mapmyjourney.backend.service

TripService() - Constructor for class com.mapmyjourney.backend.service.TripService

tripsHealth() - Method in class com.mapmyjourney.backend.controller.HealthController
Verifica que el servicio de viajes está disponible

U

updateExpense(Long, ExpenseCreateRequestDTO, Long) - Method in class com.mapmyjourney.backend.service.ExpenseService
Actualiza un gasto existente.

updateExpense(Long, Long, ExpenseCreateRequestDTO) - Method in class com.mapmyjourney.backend.controller.ExpenseController
4.

updateSplitAmount(Long, BigDecimal) - Method in class com.mapmyjourney.backend.service.ExpenseSplitService
Actualiza el monto de una división.

updateTrip(Long, TripCreateRequestDTO) - Method in class com.mapmyjourney.backend.controller.TripController

5.

updateTrip(Long, TripCreateRequestDTO, Long) - Method in class `com.mapmyjourney.backend.service.TripService`
Actualiza un viaje existente.

updateUser(Long, UserCreateRequestDTO) - Method in class `com.mapmyjourney.backend.controller.UserController`
5.

updateUser(Long, UserCreateRequestDTO) - Method in class `com.mapmyjourney.backend.service.UserService`
4.

User - Class in `com.mapmyjourney.backend.model`
Entidad que representa un usuario en el sistema.

User() - Constructor for class `com.mapmyjourney.backend.model.User`

USER - Enum constant in enum class `com.mapmyjourney.backend.model.enums.UserRole`

UserController - Class in `com.mapmyjourney.backend.controller`
Controlador REST para gestionar usuarios.

UserController() - Constructor for class `com.mapmyjourney.backend.controller.UserController`

UserCreateRequestDTO - Class in `com.mapmyjourney.backend.dto`
DTO para crear/registrarse un nuevo usuario.

UserCreateRequestDTO() - Constructor for class `com.mapmyjourney.backend.dto.UserCreateRequestDTO`

UserCreateRequestDTO(String, String, String) - Constructor for class `com.mapmyjourney.backend.dto.UserCreateRequestDTO`

UserDTO - Class in `com.mapmyjourney.backend.dto`
DTO para información pública de un usuario.

UserDTO() - Constructor for class `com.mapmyjourney.backend.dto.UserDTO`

UserRepository - Interface in `com.mapmyjourney.backend.repository`

UserRole - Enum Class in `com.mapmyjourney.backend.model.enums`
Enum que define los roles de los usuarios en el sistema.

UserService - Class in `com.mapmyjourney.backend.service`

UserService() - Constructor for class `com.mapmyjourney.backend.service.UserService`

usersHealth() - Method in class `com.mapmyjourney.backend.controller.HealthController`
Verifica que el servicio de usuarios está disponible

V

validateDatesAndUpdate() - Method in class `com.mapmyjourney.backend.model.Trip`
Valida que la fecha de fin sea posterior a la de inicio y actualiza timestamp.

validateToken(String) - Method in class `com.mapmyjourney.backend.security.JwtTokenProvider`
Valida que el token JWT sea válido.

ValidationException - Exception Class in `com.mapmyjourney.backend.exception`
Excepción para errores de negocio (ej: viaje con fechas inválidas).

ValidationException(String) - Constructor for exception class `com.mapmyjourney.backend.exception.ValidationException`

ValidationException(String, Throwable) - Constructor for exception class
`com.mapmyjourney.backend.exception.ValidationException`

valueOf(String) - Static method in enum class `com.mapmyjourney.backend.model.enums.ExpenseSplitType`
Returns the enum constant of this class with the specified name.

valueOf(String) - Static method in enum class `com.mapmyjourney.backend.model.enums.TripMemberRole`
Returns the enum constant of this class with the specified name.

valueOf(String) - Static method in enum class `com.mapmyjourney.backend.model.enums.UserRole`
Returns the enum constant of this class with the specified name.

values() - Static method in enum class `com.mapmyjourney.backend.model.enums.ExpenseSplitType`
Returns an array containing the constants of this enum class, in the order they are declared.

values() - Static method in enum class `com.mapmyjourney.backend.model.enums.TripMemberRole`
Returns an array containing the constants of this enum class, in the order they are declared.

values() - Static method in enum class `com.mapmyjourney.backend.model.enums.UserRole`
Returns an array containing the constants of this enum class, in the order they are declared.

verifyUserInTrip(Long, Long) - Method in class `com.mapmyjourney.backend.service.TripService`
Verifica que un usuario pertenece a un viaje.

VIEWER - Enum constant in enum class `com.mapmyjourney.backend.model.enums.TripMemberRole`

W

WebConfig - Class in `com.mapmyjourney.backend.config`
Configuración Web - CORS Global Este filtro CORS se ejecuta ANTES de todos los filtros de seguridad, asegurando que el preflight (OPTIONS) sea procesado correctamente.

WebConfig() - Constructor for class `com.mapmyjourney.backend.config.WebConfig`

