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

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AccessDeniedException(String) - Constructor for exception class [com.mapmyjourney.backend.exception.AccessDeniedException](#)

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BackendApplication - Class in [com.mapmyjourney.backend](#)
Clase principal para iniciar la aplicación Spring Boot.

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

C

changeMemberRole(Long, Long, ChangeMemberRoleRequestDTO) - Method in class [com.mapmyjourney.backend.controller.TripMemberController](#)
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changeMemberRole(Long, Long, TripMemberRole) - Method in class [com.mapmyjourney.backend.service.TripMemberService](#)
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ChangeMemberRoleRequestDTO - Class in [com.mapmyjourney.backend.dto](#)
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ChangeMemberRoleRequestDTO() - Constructor for class [com.mapmyjourney.backend.dto.ChangeMemberRoleRequestDTO](#)

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

Configuración de CORS (Cross-Origin Resource Sharing) Permite que el frontend pueda hacer solicitudes al backend

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

corsConfigurationSource() - Method in class `com.mapmyjourney.backend.security.SecurityConfig`
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createExpense(Long, ExpenseCreateRequestDTO) - Method in class `com.mapmyjourney.backend.controller.ExpenseController`
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1.

createSplit(Long, CreateSplitRequestDTO) - Method in class `com.mapmyjourney.backend.controller.ExpenseSplitController`
1.

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CreateSplitRequestDTO - Class in `com.mapmyjourney.backend.dto`
DTO para crear una nueva división de gasto.

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

createTrip(TripCreateRequestDTO) - Method in class `com.mapmyjourney.backend.controller.TripController`
1.

createTrip(TripCreateRequestDTO, Long) - Method in class `com.mapmyjourney.backend.service.TripService`
Crea un nuevo viaje.

CUSTOM - Enum constant in enum class `com.mapmyjourney.backend.model.enums.ExpenseSplitType`

customOpenAPI() - Method in class `com.mapmyjourney.backend.config.OpenApiConfig`

CustomUserDetailsService - Class in `com.mapmyjourney.backend.security`
Servicio para cargar detalles de usuario desde la base de datos.

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

D

daoAuthenticationProvider() - Method in class `com.mapmyjourney.backend.security.SecurityConfig`
Configura el proveedor de autenticación DAO.

deleteExpense(Long, Long) - Method in class `com.mapmyjourney.backend.controller.ExpenseController`
5.

deleteExpense(Long, Long) - Method in class `com.mapmyjourney.backend.service.ExpenseService`
Elimina un gasto.

deleteSplit(Long) - Method in class `com.mapmyjourney.backend.service.ExpenseSplitService`
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deleteSplit(Long, Long) - Method in class `com.mapmyjourney.backend.controller.ExpenseSplitController`
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deleteTrip(Long) - Method in class `com.mapmyjourney.backend.controller.TripController`
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deleteTrip(Long, Long) - Method in class `com.mapmyjourney.backend.service.TripService`
Elimina un viaje.

deleteUser(Long) - Method in class `com.mapmyjourney.backend.controller.UserController`
6.

deleteUser(Long) - Method in class `com.mapmyjourney.backend.service.UserService`
5.

doFilterInternal(HttpServletRequest, HttpServletResponse, FilterChain) - Method in class `com.mapmyjourney.backend.security.JwtAuthenticationFilter`

DuplicateResourceException - Exception Class in `com.mapmyjourney.backend.exception`
Excepción para operaciones duplicadas (ej: usuario ya existe).

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

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

E

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

EQUAL - Enum constant in enum class `com.mapmyjourney.backend.model.enums.ExpenseSplitType`

ErrorResponseDTO - Class in `com.mapmyjourney.backend.dto`
DTO para respuestas de error de la API.

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

existsByEmail(String) - Method in interface `com.mapmyjourney.backend.repository.UserRepository`
Verifica si existe un usuario con ese email.

Expense - Class in `com.mapmyjourney.backend.model`
Entidad que representa un gasto en un viaje.

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

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

Controlador REST para gestionar gastos en viajes.

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

ExpenseCreateRequestDTO - Class in `com.mapmyjourney.backend.dto`
DTO para crear un nuevo gasto.

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

ExpenseDTO - Class in `com.mapmyjourney.backend.dto`
DTO para información completa de un gasto.

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

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

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

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

ExpenseSplit - Class in `com.mapmyjourney.backend.model`
Entidad que representa la división de un gasto entre un usuario.

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

ExpenseSplitController - Class in `com.mapmyjourney.backend.controller`
Controlador REST para gestionar divisiones de gastos.

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

ExpenseSplitDTO - Class in `com.mapmyjourney.backend.dto`
DTO para una división de gasto.

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

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

ExpenseSplitService - Class in `com.mapmyjourney.backend.service`
Servicio para gestionar las divisiones de gastos.

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

ExpenseSplitType - Enum Class in `com.mapmyjourney.backend.model.enums`
Enum que define cómo se divide un gasto entre los participantes.

extractEmail(String) - Method in class `com.mapmyjourney.backend.security.JwtTokenProvider`
Extrae el email del token JWT.

F

filterChain(HttpSecurity) - Method in class `com.mapmyjourney.backend.security.SecurityConfig`
Configura la cadena de filtros de seguridad HTTP.

findAllByTripId(Long) - Method in interface `com.mapmyjourney.backend.repository.TripMemberRepository`
Obtiene todos los miembros de un viaje.

findAllByUserId(Long) - Method in interface `com.mapmyjourney.backend.repository.TripRepository`
Obtiene todos los viajes donde el usuario es miembro.

findByEmail(String) - Method in interface `com.mapmyjourney.backend.repository.UserRepository`
Busca un usuario por su email.

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`
Obtiene todas las divisiones no pagadas de un usuario.

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.

findByTripIdAndUserId(Long, Long) - Method in interface `com.mapmyjourney.backend.repository.TripMemberRepository`
Obtiene el rol de un usuario en un viaje.

G

generateToken(String) - Method in class `com.mapmyjourney.backend.security.JwtTokenProvider`
Genera un token JWT para el email proporcionado.

generateToken(Authentication) - Method in class `com.mapmyjourney.backend.security.JwtTokenProvider`
Genera un token JWT a partir de una Authentication.

getBudget() - Method in class `com.mapmyjourney.backend.dto.TripCreateRequestDTO`

getDescription() - Method in class `com.mapmyjourney.backend.dto.TripCreateRequestDTO`

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

getDestination() - Method in class `com.mapmyjourney.backend.dto.TripCreateRequestDTO`

getDisplayName() - Method in enum class `com.mapmyjourney.backend.model.enums.ExpenseSplitType`

getDisplayName() - Method in enum class `com.mapmyjourney.backend.model.enums.UserRole`

getEmail() - Method in class com.mapmyjourney.backend.dto.LoginRequestDTO

getEmail() - Method in class com.mapmyjourney.backend.dto.UserCreateRequestDTO

getEndDate() - Method in class com.mapmyjourney.backend.dto.TripCreateRequestDTO

getExpense(Long, Long) - Method in class com.mapmyjourney.backend.controller.ExpenseController
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getExpenseById(Long) - Method in class com.mapmyjourney.backend.service.ExpenseService
3.

getExpenseSplits(Long) - Method in class com.mapmyjourney.backend.controller.ExpenseSplitController
2.

getExpenseSplits(Long) - Method in class com.mapmyjourney.backend.service.ExpenseSplitService
Obtiene todas las divisiones de un gasto.

getExpirationTime() - Method in class com.mapmyjourney.backend.security.JwtTokenProvider
Retorna el tiempo de expiración del token en milisegundos.

getMember(Long, Long) - Method in class com.mapmyjourney.backend.controller.TripMemberController
3.

getMember(Long, Long) - Method in class com.mapmyjourney.backend.service.TripMemberService
Obtiene un miembro específico de un viaje.

getMyTrips(int, int) - Method in class com.mapmyjourney.backend.controller.TripController
3.

getName() - Method in class com.mapmyjourney.backend.dto.UserCreateRequestDTO

getPassword() - Method in class com.mapmyjourney.backend.dto.LoginRequestDTO

getPassword() - Method in class com.mapmyjourney.backend.dto.UserCreateRequestDTO

getSplit(Long) - Method in class com.mapmyjourney.backend.service.ExpenseSplitService
Obtiene una división específica por ID.

getSplit(Long, Long) - Method in class com.mapmyjourney.backend.controller.ExpenseSplitController
3.

getStartDate() - Method in class com.mapmyjourney.backend.dto.TripCreateRequestDTO

getTitle() - Method in class com.mapmyjourney.backend.dto.TripCreateRequestDTO

getTotalPendingDebt(Long) - Method in class com.mapmyjourney.backend.controller.ExpenseSplitController
8.

getTotalPendingDebt(Long) - Method in class com.mapmyjourney.backend.service.ExpenseSplitService
Calcula el total de deudas pendientes de un usuario.

getTotalSplits() - Method in class com.mapmyjourney.backend.model.Expense
Calcula el total de los splits.

getTripByCode(String) - Method in class com.mapmyjourney.backend.controller.TripController
4.

getTripByCode(String) - Method in class com.mapmyjourney.backend.service.TripService
Obtiene un viaje por su código (para invitaciones).

getTripById(Long) - Method in class com.mapmyjourney.backend.controller.TripController
2.

getTripById(Long) - Method in class com.mapmyjourney.backend.service.TripService
Obtiene un viaje por ID.

getTripExpenses(Long) - Method in class com.mapmyjourney.backend.service.ExpenseService
2.

getTripExpenses(Long, int, int) - Method in class com.mapmyjourney.backend.controller.ExpenseController
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getTripMembers(Long) - Method in class com.mapmyjourney.backend.controller.TripMemberController
2.

getTripMembers(Long) - Method in class com.mapmyjourney.backend.service.TripMemberService
Obtiene todos los miembros de un viaje.

getUserByEmail(String) - Method in class com.mapmyjourney.backend.controller.UserController
4.

getUserByEmail(String) - Method in class com.mapmyjourney.backend.service.UserService
3.

getUserById(Long) - Method in class com.mapmyjourney.backend.controller.UserController
3.

getUserById(Long) - Method in class com.mapmyjourney.backend.service.UserService
2.

getUserIdByEmail(String) - Method in class com.mapmyjourney.backend.service.UserService
Obtiene el ID del usuario a partir del email.

getUserPendingDebts(Long) - Method in class com.mapmyjourney.backend.controller.ExpenseSplitController
7.

getUserPendingDebts(Long) - Method in class com.mapmyjourney.backend.service.ExpenseSplitService
Obtiene todas las deudas pendientes de un usuario.

getUserTrips(Long) - Method in class com.mapmyjourney.backend.service.TripService
Obtiene todos los viajes del usuario.

GlobalExceptionHandler - Class in `com.mapmyjourney.backend.config`
Manejador global de excepciones para la API REST.

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

H

handleAccessDenied(AccessDeniedException) - Method in class `com.mapmyjourney.backend.config.GlobalExceptionHandler`
Maneja excepciones de acceso denegado (403).

handleAuthenticationException(AuthenticationException) - Method in class `com.mapmyjourney.backend.config.GlobalExceptionHandler`
Maneja excepciones generales de autenticación (401).

handleBadCredentials(BadCredentialsException) - Method in class `com.mapmyjourney.backend.config.GlobalExceptionHandler`
Maneja excepciones de credenciales inválidas (401).

handleDuplicateResource(DuplicateResourceException) - Method in class `com.mapmyjourney.backend.config.GlobalExceptionHandler`
Maneja excepciones de recurso duplicado (409).

handleGeneralException(Exception) - Method in class `com.mapmyjourney.backend.config.GlobalExceptionHandler`
Maneja todas las excepciones no capturadas (500).

handleResourceNotFound(ResourceNotFoundException) - Method in class `com.mapmyjourney.backend.config.GlobalExceptionHandler`
Maneja excepciones de recurso no encontrado (404).

handleValidationException(ValidationException) - Method in class `com.mapmyjourney.backend.config.GlobalExceptionHandler`
Maneja excepciones de validación.

handleValidationExceptions(MethodArgumentNotValidException) - Method in class `com.mapmyjourney.backend.config.GlobalExceptionHandler`
Maneja excepciones de validación de argumentos (ej: @Valid fallido).

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

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

I

isMemberOfTrip(Long, Long) - Method in class `com.mapmyjourney.backend.service.TripMemberService`
Verifica si un usuario es miembro de un viaje.

isOwner() - Method in class `com.mapmyjourney.backend.model.TripMember`
Verifica si este miembro es el propietario del viaje.

J

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

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

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

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

L

leaveTrip(Long) - Method in class `com.mapmyjourney.backend.controller.TripMemberController`
6.

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

login(LoginRequestDTO) - Method in class `com.mapmyjourney.backend.controller.UserController`
2.

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`

M

main(String[]) - Static method in class `com.mapmyjourney.backend.BackendApplication`

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`

4.

markSplitAsPaid(Long, Long) - Method in class `com.mapmyjourney.backend.controller.ExpenseSplitController`

4.

markSplitAsUnpaid(Long, Long) - Method in class `com.mapmyjourney.backend.controller.ExpenseSplitController`

5.

O

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`

P

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`

R

registerUser(UserCreateRequestDTO) - Method in class `com.mapmyjourney.backend.controller.UserController`

1.

registerUser(UserCreateRequestDTO) - Method in class `com.mapmyjourney.backend.service.UserService`

1.

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`

5.

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`

S

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

Configuración de Spring Security con JWT y CORS

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

setBudget(BigDecimal) - Method in class `com.mapmyjourney.backend.dto.TripCreateRequestDTO`

setDescription(String) - Method in class `com.mapmyjourney.backend.dto.TripCreateRequestDTO`

setDestination(String) - Method in class `com.mapmyjourney.backend.dto.TripCreateRequestDTO`

setEmail(String) - Method in class `com.mapmyjourney.backend.dto.LoginRequestDTO`

setEmail(String) - Method in class `com.mapmyjourney.backend.dto.UserCreateRequestDTO`

setEndDate(LocalDate) - Method in class `com.mapmyjourney.backend.dto.TripCreateRequestDTO`

setName(String) - Method in class `com.mapmyjourney.backend.dto.UserCreateRequestDTO`

setPassword(String) - Method in class com.mapmyjourney.backend.dto.LoginRequestDTO

setPassword(String) - Method in class com.mapmyjourney.backend.dto.UserCreateRequestDTO

setStartDate(LocalDate) - Method in class com.mapmyjourney.backend.dto.TripCreateRequestDTO

setTitle(String) - Method in class com.mapmyjourney.backend.dto.TripCreateRequestDTO

T

toString() - Method in class com.mapmyjourney.backend.dto.LoginRequestDTO

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

TripMemberController - Class in com.mapmyjourney.backend.controller
Controlador REST para gestionar miembros de viajes.

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](#)