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existsByEmail(String) - Method in interface `com.mapmyjourney.backend.repository.UserRepository`
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Expense - Class in `com.mapmyjourney.backend.model`
Entidad que representa un gasto en un viaje.

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filterChain(HttpSecurity) - Method in class `com.mapmyjourney.backend.security.SecurityConfig`

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findAllByUserId(Long) - Method in interface `com.mapmyjourney.backend.repository.TripRepository`

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findByEmail(String) - Method in interface `com.mapmyjourney.backend.repository.UserRepository`

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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.

getActivitiesByDate(Long, LocalDate) - Method in class `com.mapmyjourney.backend.controller.ActivityController`

Obtiene las actividades de un viaje para una fecha específica.

getActivitiesByDate(Long, LocalDate) - Method in class `com.mapmyjourney.backend.service.ActivityService`

Obtiene las actividades de un viaje para una fecha específica.

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getActivitiesByTrip(Long) - Method in class `com.mapmyjourney.backend.service.ActivityService`

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

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getExpirationTime() - Method in class com.mapmyjourney.backend.security.JwtTokenProvider
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getImageUrl() - Method in class com.mapmyjourney.backend.dto.TripCreateRequestDTO

getMember(Long, Long) - Method in class com.mapmyjourney.backend.controller.TripMemberController
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getStartDate() - Method in class com.mapmyjourney.backend.dto.TripCreateRequestDTO

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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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getUserByEmail(String) - Method in class com.mapmyjourney.backend.controller.UserController
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getUserById(Long) - Method in class com.mapmyjourney.backend.controller.UserController
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getUserPendingDebts(Long) - Method in class [com.mapmyjourney.backend.controller.ExpenseSplitController](#)
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getUserPendingDebts(Long) - Method in class [com.mapmyjourney.backend.service.ExpenseSplitService](#)
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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](#)

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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](#)
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handleBadCredentials(BadCredentialsException) - Method in class [com.mapmyjourney.backend.config.GlobalExceptionHandler](#)
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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](#)

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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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JwtAuthenticationFilter - Class in [com.mapmyjourney.backend.security](#)

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JwtTokenProvider - Class in [com.mapmyjourney.backend.security](#)

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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

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
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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.Activity

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.

reorderActivities(Long, LocalDate, List<String>) - Method in class com.mapmyjourney.backend.controller.ActivityController
Reordena las actividades de una fecha específica.

reorderActivities(Long, LocalDate, List<String>) - Method in class com.mapmyjourney.backend.service.ActivityService
Reordena las actividades de una fecha.

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

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

setCurrentPassword(String) - Method in class com.mapmyjourney.backend.dto.UserUpdateRequestDTO

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

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

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

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

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

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

setNewPassword(String) - Method in class com.mapmyjourney.backend.dto.UserUpdateRequestDTO

setNewPasswordConfirm(String) - Method in class com.mapmyjourney.backend.dto.UserUpdateRequestDTO

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

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

setProfilePicture(String) - Method in class com.mapmyjourney.backend.dto.UserUpdateRequestDTO

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

TRANSITION - Enum constant in enum class com.mapmyjourney.backend.model.ActivityType

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, String, LocalDate, LocalDate, BigDecimal) - 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

updateActivity(Long, String, UpdateActivityRequestDTO) - Method in class `com.mapmyjourney.backend.controller.ActivityController`
Actualiza una actividad existente.

updateActivity(Long, String, UpdateActivityRequestDTO) - Method in class `com.mapmyjourney.backend.service.ActivityService`
Actualiza una actividad existente.

UpdateActivityRequestDTO - Class in `com.mapmyjourney.backend.dto`
DTO para actualizar una actividad existente.

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

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.

updateUserProfile(Long, UserUpdateRequestDTO) - Method in class `com.mapmyjourney.backend.controller.UserController`
6.

updateUserProfile(Long, UserUpdateRequestDTO) - Method in class `com.mapmyjourney.backend.service.UserService`
Actualiza el perfil de un usuario existente.

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/registrar 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

UserUpdateRequestDTO - Class in `com.mapmyjourney.backend.dto`
DTO para actualizar datos de un usuario existente.

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

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

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.ActivityType`
Returns the enum constant of this class with the specified name.
- 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.ActivityType`
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.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`