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**findAllByTripId(Long)** - Method in interface `com.mapmyjourney.backend.repository.TripMemberRepository`  
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**findByEmail(String)** - Method in interface `com.mapmyjourney.backend.repository.UserRepository`  
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**findByExpenseId(Long)** - Method in interface `com.mapmyjourney.backend.repository.ExpenseSplitRepository`  
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**findByTripCode(String)** - Method in interface `com.mapmyjourney.backend.repository.TripRepository`  
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**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`  
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## G

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**getTotalSplits()** - Method in class com.mapmyjourney.backend.model.Expense  
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**GlobalExceptionHandler** - Class in com.mapmyjourney.backend.config  
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**handleDuplicateResource(DuplicateResourceException)** - Method in class com.mapmyjourney.backend.config.GlobalExceptionHandler  
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**handleGeneralException(Exception)** - 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  
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**hasPermission(TripMemberRole)** - Method in class com.mapmyjourney.backend.model.TripMember  
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**hasRole(Long, Long, TripMemberRole)** - Method in class com.mapmyjourney.backend.service.TripMemberService  
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**loadUserByUsername(String)** - Method in class [com.mapmyjourney.backend.security.CustomUserDetailsService](#)

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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](#)

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DTO para respuesta de login (contiene el token JWT).

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**markAsPaid(Long)** - Method in class [com.mapmyjourney.backend.service.ExpenseSplitService](#)  
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**SecurityConfig** - Class in `com.mapmyjourney.backend.security`  
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**Trip** - Class in `com.mapmyjourney.backend.model`  
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**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`  
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**TripCreateRequestDTO()** - Constructor for class `com.mapmyjourney.backend.dto.TripCreateRequestDTO`

**TripDTO** - Class in `com.mapmyjourney.backend.dto`  
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**TripDTO()** - Constructor for class `com.mapmyjourney.backend.dto.TripDTO`

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

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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`  
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**TripMemberService** - Class in `com.mapmyjourney.backend.service`  
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**TripMemberService()** - Constructor for class `com.mapmyjourney.backend.service.TripMemberService`

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**TripService** - Class in `com.mapmyjourney.backend.service`

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**updateExpense(Long, ExpenseCreateRequestDTO, Long)** - Method in class `com.mapmyjourney.backend.service.ExpenseService`  
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**updateSplitAmount(Long, BigDecimal)** - Method in class `com.mapmyjourney.backend.service.ExpenseSplitService`  
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**updateTrip(Long, TripCreateRequestDTO)** - Method in class `com.mapmyjourney.backend.controller.TripController`  
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**updateTrip(Long, TripCreateRequestDTO, Long)** - Method in class `com.mapmyjourney.backend.service.TripService`  
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**User** - Class in `com.mapmyjourney.backend.model`  
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**UserController** - Class in `com.mapmyjourney.backend.controller`  
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**UserCreateRequestDTO** - Class in `com.mapmyjourney.backend.dto`  
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**UserCreateRequestDTO()** - 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`

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**validateDatesAndUpdate()** - Method in class `com.mapmyjourney.backend.model.Trip`  
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**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`