

**Package** com.mapmyjourney.backend.controller

## Class ExpenseSplitController

java.lang.Object<sup>↗</sup>  
com.mapmyjourney.backend.controller.ExpenseSplitController

```
@RestController
@RequestMapping("/api/expenses")
public class ExpenseSplitController
extends Object↗
```

Controlador REST para gestionar divisiones de gastos.

### Constructor Summary

Constructors
Constructor
Description
ExpenseSplitController()

### Method Summary

All Methods	Instance Methods	Concrete Methods
Modifier and Type	Method	Description
	org.springframework.http.ResponseEntity<ExpenseSplitDT0> createSplit(Long <sup>↗</sup> expenseId, @Valid CreateSplitRequestDT0 request)	1.
	org.springframework.http.ResponseEntity<Void <sup>↗</sup> > deleteSplit(Long <sup>↗</sup> expenseId, Long <sup>↗</sup> splitId)	6.
	org.springframework.http.ResponseEntity<List <sup>↗</sup> <ExpenseSplitDT0>> getExpenseSplits(Long <sup>↗</sup> expenseId)	2.
	org.springframework.http.ResponseEntity<ExpenseSplitDT0> getSplit(Long <sup>↗</sup> expenseId, Long <sup>↗</sup> splitId)	3.
	org.springframework.http.ResponseEntity<BigDecimal <sup>↗</sup> > getTotalPendingDebt(Long <sup>↗</sup> userId)	8.
	org.springframework.http.ResponseEntity<List <sup>↗</sup> <ExpenseSplitDT0>> getUserPendingDebts(Long <sup>↗</sup> userId)	7.
	org.springframework.http.ResponseEntity<ExpenseSplitDT0> markSplitAsPaid(Long <sup>↗</sup> expenseId, Long <sup>↗</sup> splitId)	4.
	org.springframework.http.ResponseEntity<ExpenseSplitDT0>	

`markSplitAsUnpaid(Long expenseId, Long splitId)`

5.

**Methods inherited from class java.lang.Object**

`clone`, `equals`, `finalize`, `getClass`, `hashCode`, `notify`, `notifyAll`, `toString`, `wait`, `wait`, `wait`

**Constructor Details**

**ExpenseSplitController**

`public ExpenseSplitController()`

**Method Details**

**createSplit**

```
@PreAuthorize("hasRole(\ 'USER\ ')")
@PostMapping("/{expenseId}/splits")
public org.springframework.http.ResponseEntity<ExpenseSplitDTO> createSplit
(@PathVariable
 Long expenseId,
 @Valid
 @Valid CreateSplitRequestDTO request)
```

1. Crea una nueva división de gasto. POST /api/expenses/{expenseId}/splits

**getExpenseSplits**

```
@PreAuthorize("hasRole(\ 'USER\ ')")
@GetMapping("/{expenseId}/splits")
public org.springframework.http.ResponseEntity<List<ExpenseSplitDTO>> getExpenseSplits(@PathVariable
 Long expenseId)
```

2. Obtiene todas las divisiones de un gasto. GET /api/expenses/{expenseId}/splits

**getSplit**

```
@PreAuthorize("hasRole(\ 'USER\ ')")
@GetMapping("/{expenseId}/splits/{splitId}")
public org.springframework.http.ResponseEntity<ExpenseSplitDTO> getSplit(@PathVariable
 Long expenseId,
 @PathVariable
 Long splitId)
```

3. Obtiene una división específica. GET /api/expenses/{expenseId}/splits/{splitId}

**markSplitAsPaid**

```
@PreAuthorize("hasRole(\ 'USER\ ')")
@PutMapping("/{expenseId}/splits/{splitId}/pay")
public org.springframework.http.ResponseEntity<ExpenseSplitDTO> markSplitAsPaid(@PathVariable
 Long expenseId,
 @PathVariable
 Long splitId)
```

4. Marca una división como pagada. PUT /api/expenses/{expenseId}/splits/{splitId}/pay

**markSplitAsUnpaid**

```
@PreAuthorize("hasRole(\ 'USER\ ')")
@PutMapping("/{expenseId}/splits/{splitId}/unpay")
```

```
public org.springframework.http.ResponseEntity<ExpenseSplitDTO> markSplitAsUnpaid(@PathVariable
                                                                    Long expenseId,
                                                                    @PathVariable
                                                                    Long splitId)
```

5. Marca una división como no pagada. PUT /api/expenses/{expenseId}/splits/{splitId}/unpay

### deleteSplit

```
@PreAuthorize("hasRole('\\USER\\')")
@DeleteMapping("/{expenseId}/splits/{splitId}")
public org.springframework.http.ResponseEntity<Void> deleteSplit(@PathVariable
                                                                    Long expenseId,
                                                                    @PathVariable
                                                                    Long splitId)
```

6. Elimina una división de gasto. DELETE /api/expenses/{expenseId}/splits/{splitId}

### getUserPendingDebts

```
@PreAuthorize("hasRole('\\USER\\')")
@GetMapping("/users/{userId}/pending-debts")
public org.springframework.http.ResponseEntity<List<ExpenseSplitDTO>> getUserPendingDebts(@PathVariable
                                                                    Long userId)
```

7. Obtiene las deudas pendientes de un usuario. GET /api/users/{userId}/pending-debts

### getTotalPendingDebt

```
@PreAuthorize("hasRole('\\USER\\')")
@GetMapping("/users/{userId}/total-debt")
public org.springframework.http.ResponseEntity<BigDecimal> getTotalPendingDebt(@PathVariable
                                                                    Long userId)
```

8. Calcula la deuda total de un usuario. GET /api/users/{userId}/total-debt