

Package com.mapmyjourney.backend.controller

Class ExpenseController

java.lang.Object
com.mapmyjourney.backend.controller.ExpenseController

```
@RestController
@RequestMapping("/api/trips/{tripId}/expenses")
public class ExpenseController
extends Object
```

Controlador REST para gestionar gastos en viajes.

Constructor Summary

Constructors

Constructor

Description

`ExpenseController()`

Method Summary

All Methods

Instance Methods

Concrete Methods

Modifier and Type

Method

Description

```
org.springframework.http.ResponseEntity<ExpenseDTO>
createExpense(Long tripId, @Valid ExpenseCreateRequestDTO request)
1.
```

```
org.springframework.http.ResponseEntity<Void>
deleteExpense(Long tripId, Long expenseId)
5.
```

```
org.springframework.http.ResponseEntity<ExpenseDTO>
getExpense(Long tripId, Long expenseId)
3.
```

```
org.springframework.http.ResponseEntity<List<ExpenseDTO>>
getTripExpenses(Long tripId, int page, int size)
2.
```

```
org.springframework.http.ResponseEntity<ExpenseDTO>
updateExpense(Long tripId, Long expenseId, @Valid ExpenseCreateRequestDTO request)
4.
```

Methods inherited from class java.lang.Object

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

Constructor Details

ExpenseController

```
public ExpenseController()
```

Method Details

createExpense

```
@PostMapping  
@PreAuthorize("hasRole('USER')")  
public org.springframework.http.ResponseEntity<ExpenseDTO> createExpense  
(@PathVariable  
Long tripId,  
@Valid  
@Valid ExpenseCreateRequestDTO request)
```

1. Crea un nuevo gasto en el viaje. POST /api/trips/{tripId}/expenses

getTripExpenses

```
@GetMapping  
@PreAuthorize("hasRole('USER')")  
public org.springframework.http.ResponseEntity<List<ExpenseDTO>> getTripExpenses  
(@PathVariable  
Long tripId,  
@RequestParam(defaultValue="0")  
int page,  
@RequestParam(defaultValue="20")  
int size)
```

2. Obtiene todos los gastos del viaje (con paginación). GET /api/trips/{tripId}/expenses?
page=0&size=20&sort=expenseDate,desc

getExpense

```
@GetMapping("/{expenseId}")  
@PreAuthorize("hasRole('USER')")  
public org.springframework.http.ResponseEntity<ExpenseDTO> getExpense(@PathVariable  
Long tripId,  
@PathVariable  
Long expenseId)
```

3. Obtiene un gasto por ID. GET /api/trips/{tripId}/expenses/{expenseId}

updateExpense

```
@PutMapping("/{expenseId}")  
@PreAuthorize("hasRole('USER')")  
public org.springframework.http.ResponseEntity<ExpenseDTO> updateExpense  
(@PathVariable  
Long tripId,  
@PathVariable  
Long expenseId,  
@Valid  
@Valid ExpenseCreateRequestDTO request)
```

4. Actualiza un gasto. PUT /api/trips/{tripId}/expenses/{expenseId} Solo quien lo pagó puede actualizarlo.

deleteExpense

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

5. Elimina un gasto. DELETE /api/trips/{tripId}/expenses/{expenseId} Solo quien lo pagó puede eliminarlo.

