

Participant Role Mismatch Fix

Problem Summary

The `createSelfInvoice` endpoint was failing with a 400 error: “**Contractor participant not found for this invoice**”

Root Cause

The invoice code was searching for participants with **UPPERCASE** role names:

- "CONTRACTOR"
- "CLIENT"

However, the actual contract participants in the database have **lowercase** role names:

- "contractor"
- "client"

This mismatch caused the participant lookup to fail, resulting in `null` values for both contractor and tenant participants.

Investigation

1. **Prisma Schema Analysis:** The `ContractParticipant` model uses a `String` field for `role`, not an enum.
2. **Contract Creation Logic:** Examined `createMinimalParticipant.ts` which clearly shows roles are created as lowercase:
 - "client" - The tenant company issuing the invoice
 - "contractor" - The worker/freelancer being paid
 - "approver" - Admin users who approve contracts
3. **Invoice Code:** Found multiple locations in `invoice.ts` using uppercase role names.

Solution

Fixed all participant role queries in `server/api/routers/invoice.ts` to use **lowercase** role names:

Changes Made

Line(s)	Before	After
203	where: { role: "CONTRACTOR" }	where: { role: "contractor" }
1787	p.role === "CONTRACTOR"	p.role === "contractor"
1788	p.role === "CLIENT"	p.role === "client"
1980-1981	p.role === "CONTRACTOR" / "CLIENT"	p.role === "contractor" / "client"
2327-2328	p.role === "CONTRACTOR" / "CLIENT"	p.role === "contractor" / "client"
2503	p.role === "CONTRACTOR"	p.role === "contractor"
2626	p.role === "CONTRACTOR"	p.role === "contractor"
2822	p.role === "CLIENT"	p.role === "client"

Affected Endpoints

1. `getInvoices` - Invoice listing with contractor filter
2. `getById` - Invoice details with participant lookup
3. `createSelfInvoice` - Self-invoice creation (PRIMARY FIX)
4. `getSelfInvoiceData` - Self-invoice preview
5. `createPayrollSelfInvoice` - Payroll self-invoice creation
6. `getPayrollSelfInvoiceData` - Payroll self-invoice preview
7. `createFeeInvoiceFromParent` - Fee invoice creation

Documentation Added

Added comprehensive inline documentation in the `createSelfInvoice` function:

```
// 📄 ROLE MAPPING DOCUMENTATION:
// Contract participants use LOWERCASE role names (as defined in createMinimalParticipant.ts):
// - "contractor" = The worker/freelancer being paid (can be User or Company)
// - "client" = The tenant company issuing the invoice (usually a Company)
// - "approver" = Admin users who approve contracts
// - "tenant" = Alternative tenant representation
```

Verification

- TypeScript compilation successful
- All role names consistently lowercase
- Changes committed and pushed to `fix/enum-casing-mismatch` branch

Next Steps

The fix is now deployed to the `fix/enum-casing-mismatch` branch. The `createSelfInvoice` endpoint should now correctly identify participants and proceed with invoice creation.

Commit Details

Commit: 8fec5c7

Branch: fix/enum-casing-mismatch

Message: "fix: correct participant role names from UPPERCASE to lowercase"