@Transactional(propagation = Propagation.REQUIRED)

Ye line batati hai ki ye method (add) transaction ke andar chalega.

@Transactional ka matlab hai ki Spring is method ko ek transaction context ke andar run karega — matlab agar kuch galat ho jaaye (exception aajaye), to saare database changes rollback (undo) ho jaayenge.

propagation = Propagation.REQUIRED ka matlab hai:
  Agar koi transaction already chal raha hai, to ye method usi existing transaction me join kar lega.
  Agar koi transaction nahi chal raha, to ye naya transaction start karega.

Example samjho:
Agar ek service method add() ek aur dao method add() ko call karta hai, aur @Transactional(propagation = Propagation.REQUIRED) laga hai —
to dono ek hi transaction me kaam karenge.
Agar dao method add() me error aaya, to service method add() ka bhi data rollback ho jaayega.

Short me:

Ye ensure karta hai ki method transaction ke under chale — agar existing transaction hai to use join kare, warna naya bana le.