

# Persistence Context i Entity States



```
@Service
```

```
@Transactional
```

```
public class OperacionsService {
```

```
    @Autowired
```

```
    private ComptesRepository repositori;
```

```
    public void traspassa(String origen, String desti, int quantitat) {
```

```
        repositori.moviment(desti, quantitat);
```

```
        repositori.moviment(origen, -1 * quantitat);
```

```
    }
```

```
}
```

*Mateixa transacció*



```
@Repository
public class ComptesRepository {

    @PersistenceContext
    private EntityManager em;

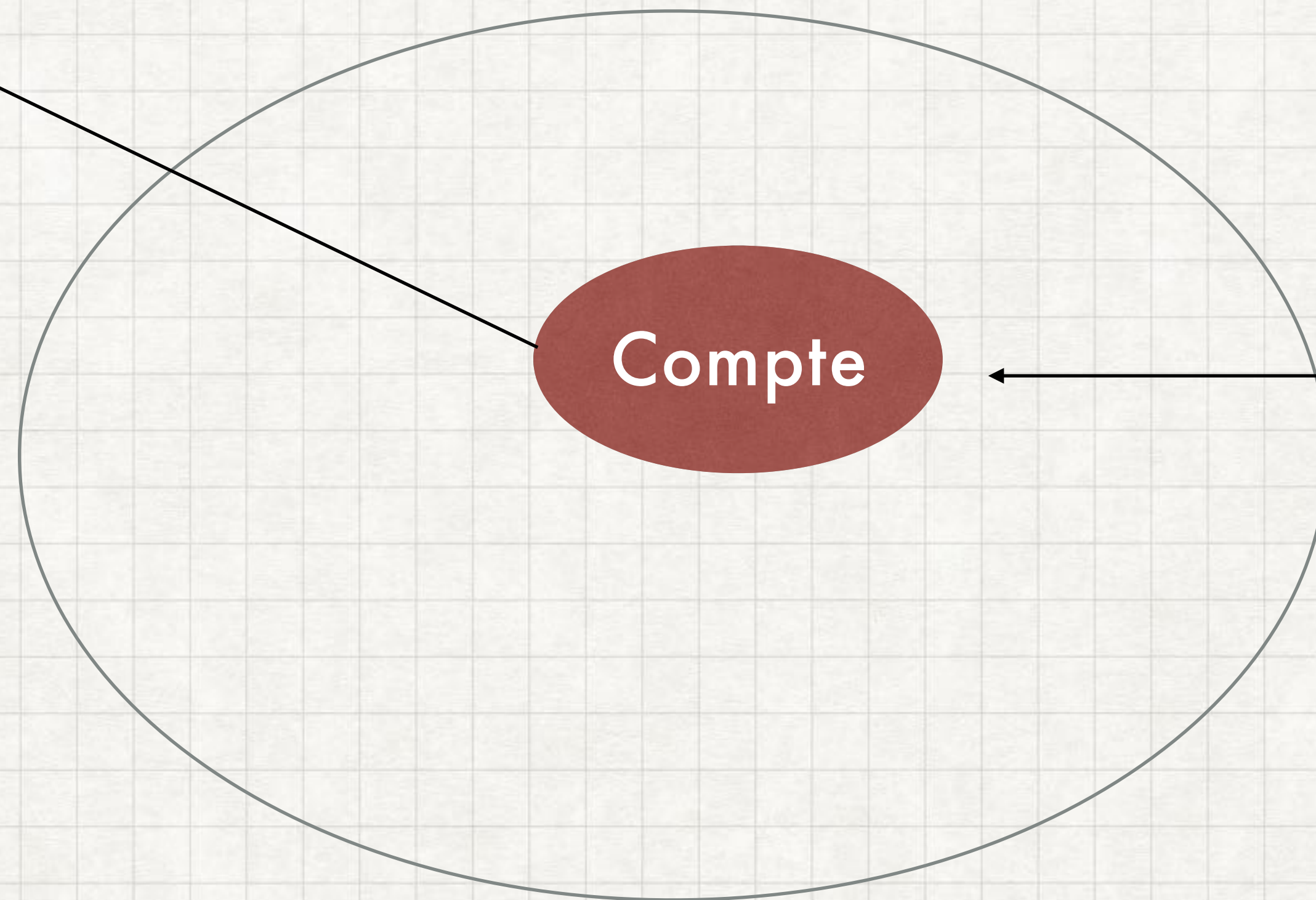
    public void moviment(String client, int moviment) {

        Compte compte = em.find(Compte.class, client);
        compte.setQuantitat(compte.getQuantitat() + moviment);
        ...
    }
    ...
}
```

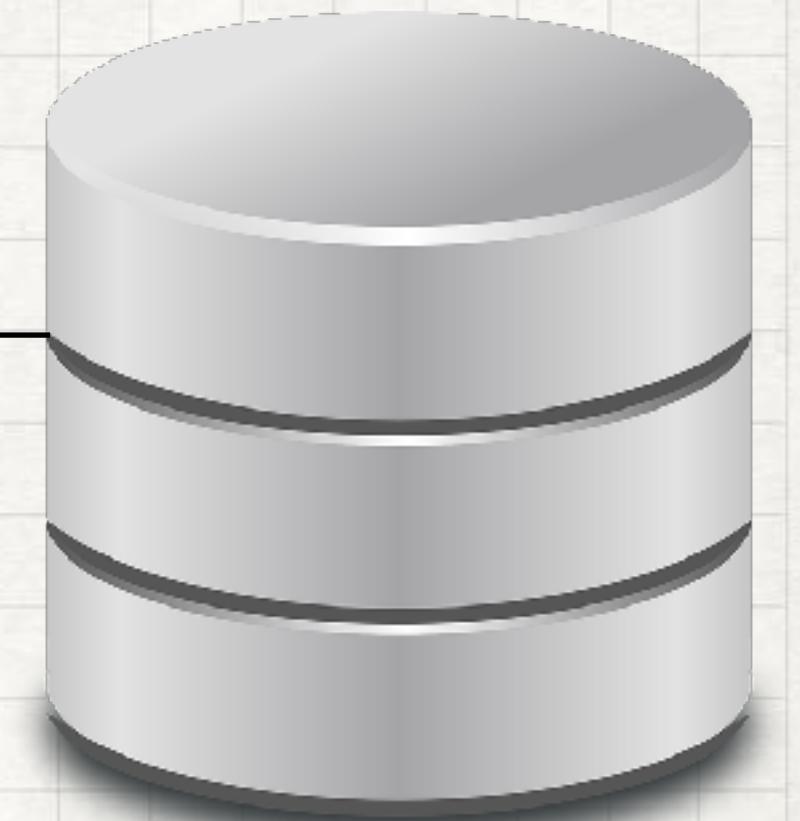


```
Compte compte = em.find(Compte.class, client);
```

***managed***



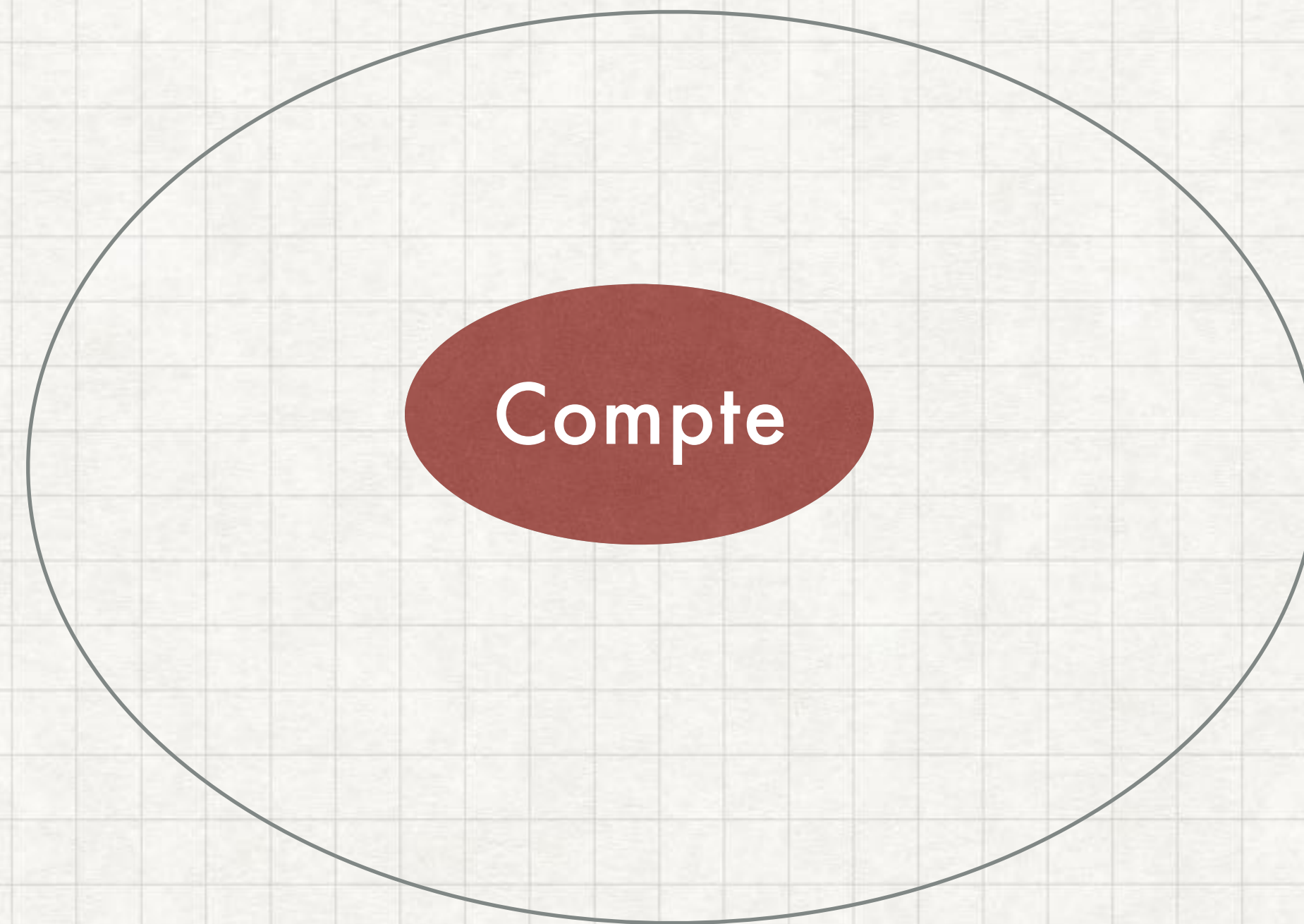
*Persistence context*



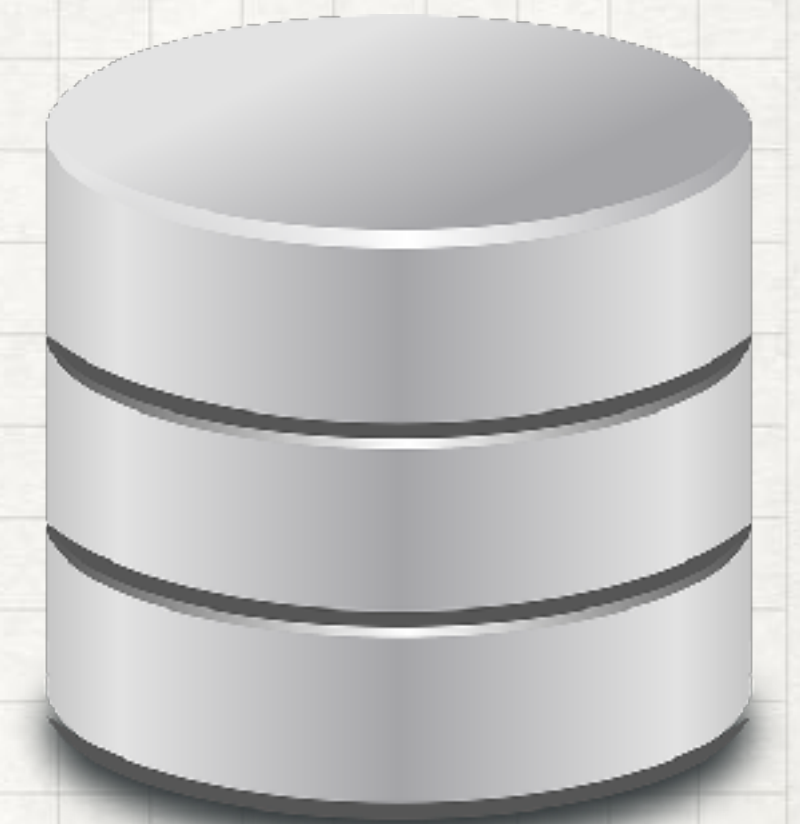


*fi transacció*

***detached***



*Persistence context*





```
Compte nova = new Compte();  
nova.setClient("nou client");  
nova.setQuantitat(50);
```

***new***

Compte

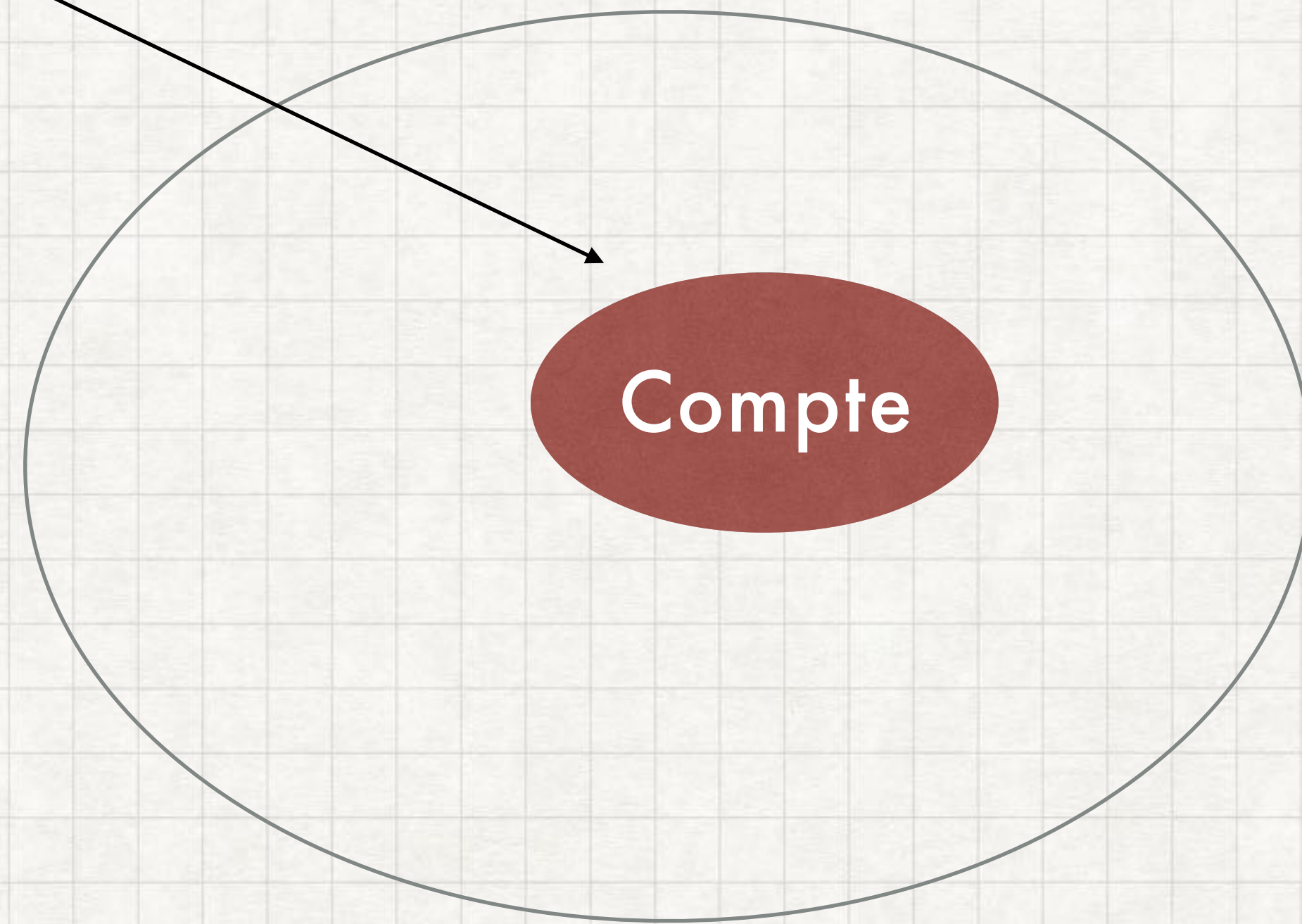
*Persistence context*





```
em.remove(compte);
```

***removed***



*Persistence context*