**Errors while developing backend of budget tracker:**

Hibernate: select u1\_0.id from users u1\_0 where u1\_0.email=? limit ?

Hibernate: select u1\_0.id from users u1\_0 where u1\_0.email=? limit ?

2025-04-12T16:01:27.649+05:00 WARN 12512 --- [budgetTracker] [nio-8080-exec-1] o.h.a.i.UnresolvedEntityInsertActions : HHH000437: Attempting to save one or more entities that have a non-nullable association with an unsaved transient entity. The unsaved transient entity must be saved in an operation prior to saving these dependent entities.

Unsaved transient entity: ([com.talhaatif.budgettracker.entities.User#<null>])

Dependent entities: ([[com.talhaatif.budgettracker.entities.Account#538ce601-d2e9-4031-947f-5bed1f633642]])

Non-nullable association(s): ([com.talhaatif.budgettracker.entities.Account.user])

2025-04-12T16:01:27.689+05:00 WARN 12512 --- [budgetTracker] [nio-8080-exec-1] .m.m.a.ExceptionHandlerExceptionResolver : Resolved [org.springframework.dao.InvalidDataAccessApiUsageException: org.hibernate.TransientPropertyValueException: Not-null property references a transient value - transient instance must be saved before current operation: com.talhaatif.budgettracker.entities.Account.user -> com.talhaatif.budgettracker.entities.User]

Hibernate: select u1\_0.id from users u1\_0 where u1\_0.email=? limit ?

Hibernate: select u1\_0.id from users u1\_0 where u1\_0.email=? limit ?

2025-04-12T16:02:02.706+05:00 WARN 12512 --- [budgetTracker] [nio-8080-exec-4] o.h.a.i.UnresolvedEntityInsertActions : HHH000437: Attempting to save one or more entities that have a non-nullable association with an unsaved transient entity. The unsaved transient entity must be saved in an operation prior to saving these dependent entities.

Unsaved transient entity: ([com.talhaatif.budgettracker.entities.User#<null>])

Dependent entities: ([[com.talhaatif.budgettracker.entities.Account#99b365a2-dd36-4c64-9b99-1449569604f9]])

Non-nullable association(s): ([com.talhaatif.budgettracker.entities.Account.user])

2025-04-12T16:02:02.710+05:00 WARN 12512 --- [budgetTracker] [nio-8080-exec-4] .m.m.a.ExceptionHandlerExceptionResolver : Resolved [org.springframework.dao.InvalidDataAccessApiUsageException: org.hibernate.TransientPropertyValueException: Not-null property references a transient value - transient instance must be saved before current operation: com.talhaatif.budgettracker.entities.Account.user -> com.talhaatif.budgettracker.entities.User]  
  
This error comes because account is dependent on user and we need to first store the user then his account as we are using fetch type lazy , we could use persistence if wants to store both at same time

Roles issue in JWT

After 4 days, I realized that I again did same mistake that I did in previous project that is double encoding of password.

JWT was there for user with one role, due to which principal error arrives, now implemented where user can have multiple roles.