# Test Case 1:

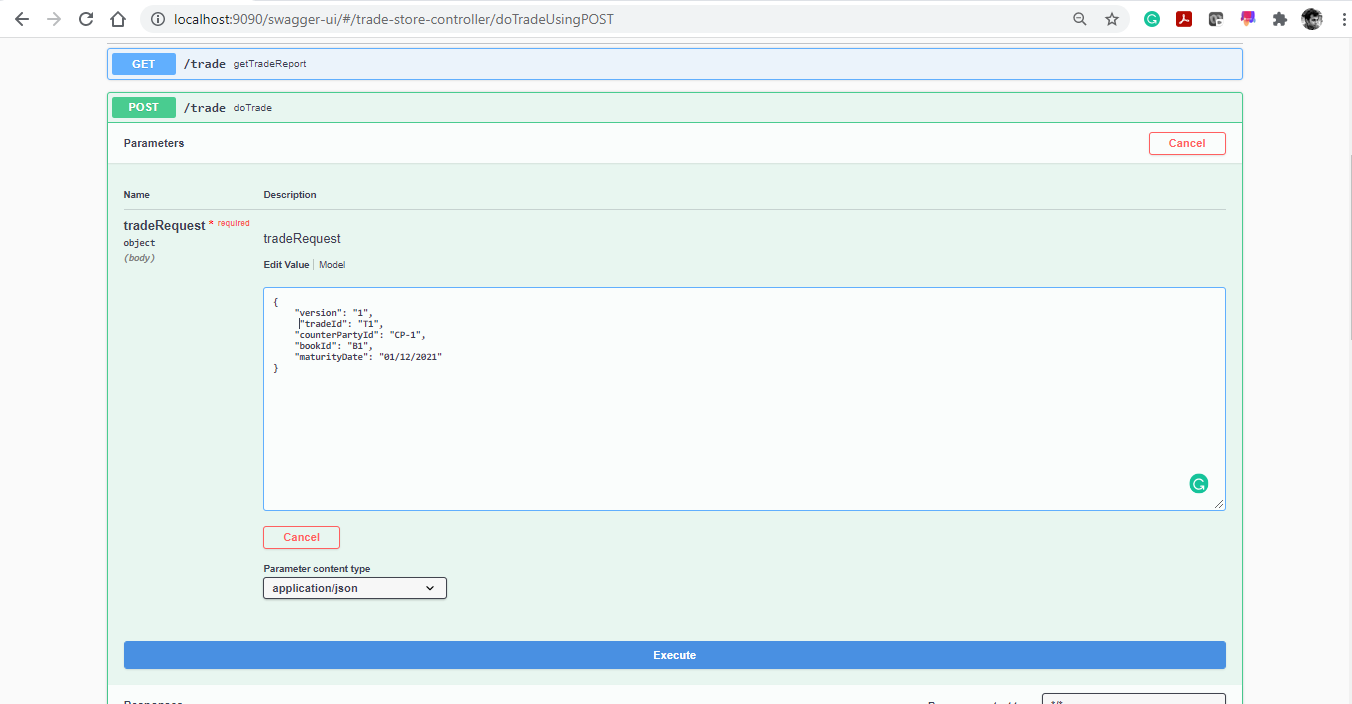
Test Scenario – Create a New Trade

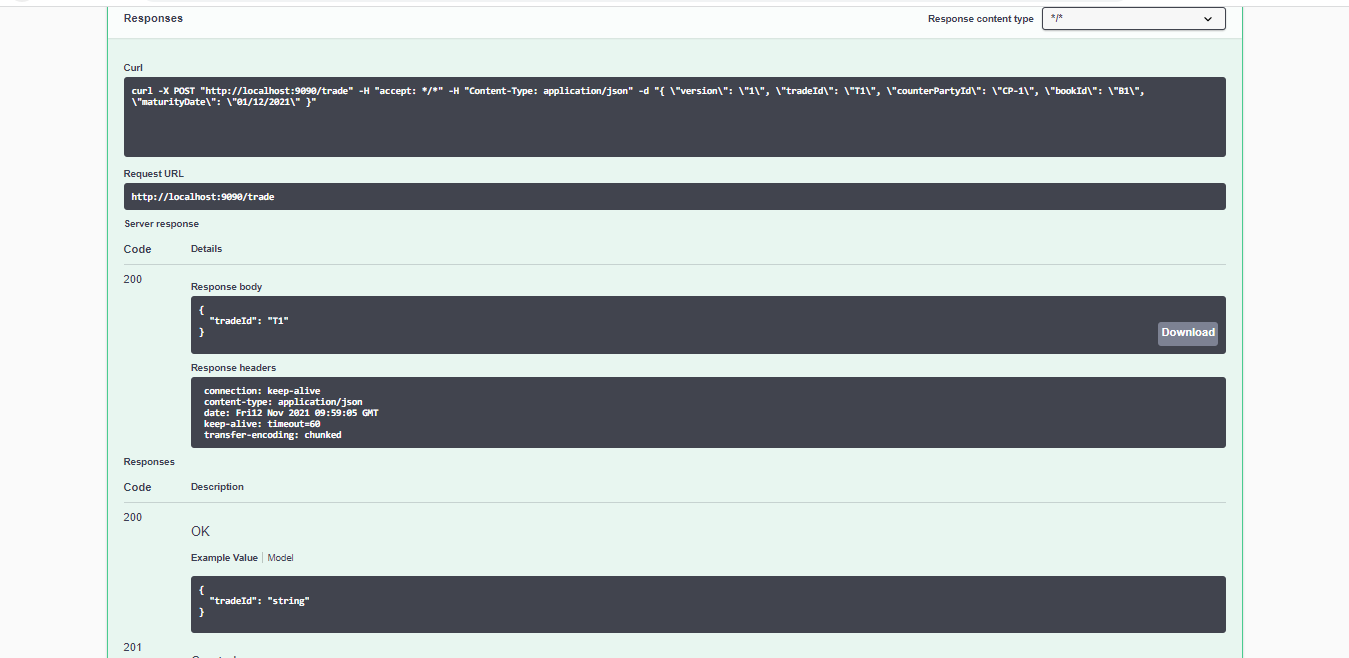
Expected Result – A new Trade should be added to database

Actual Result - PASSED

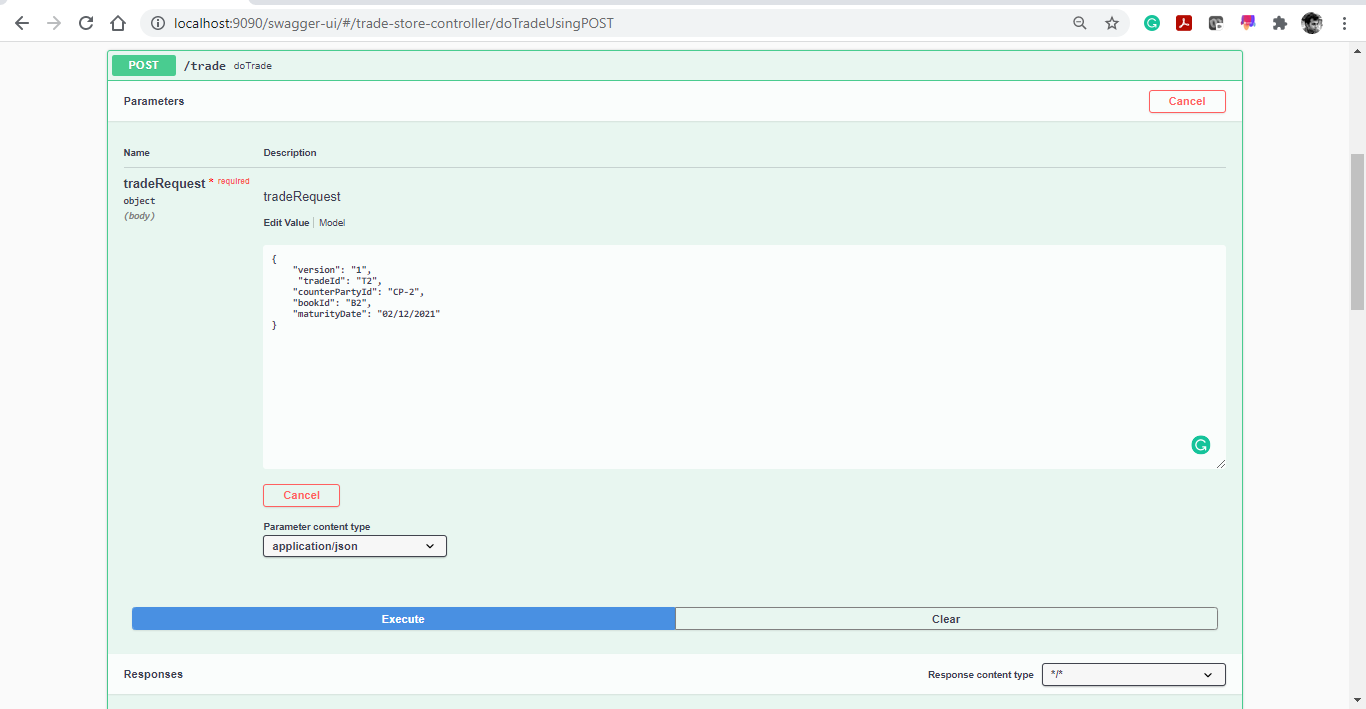
Screenshots

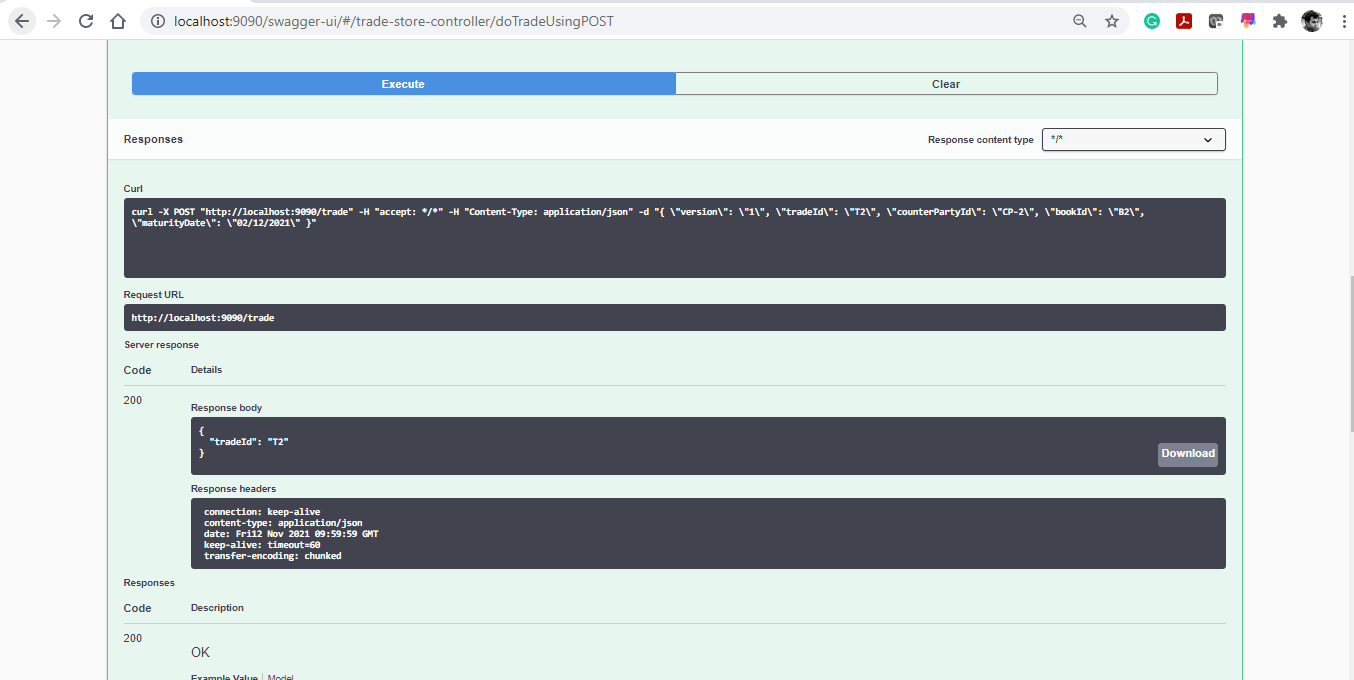
Trade 1



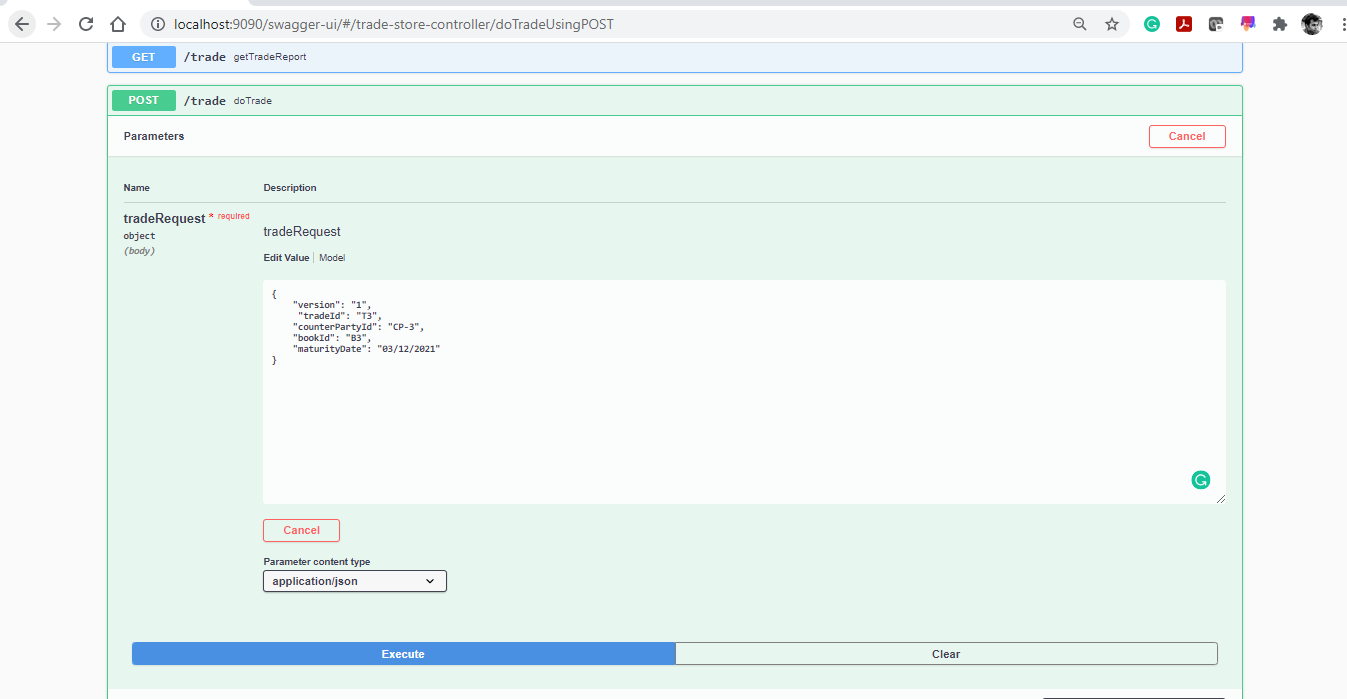


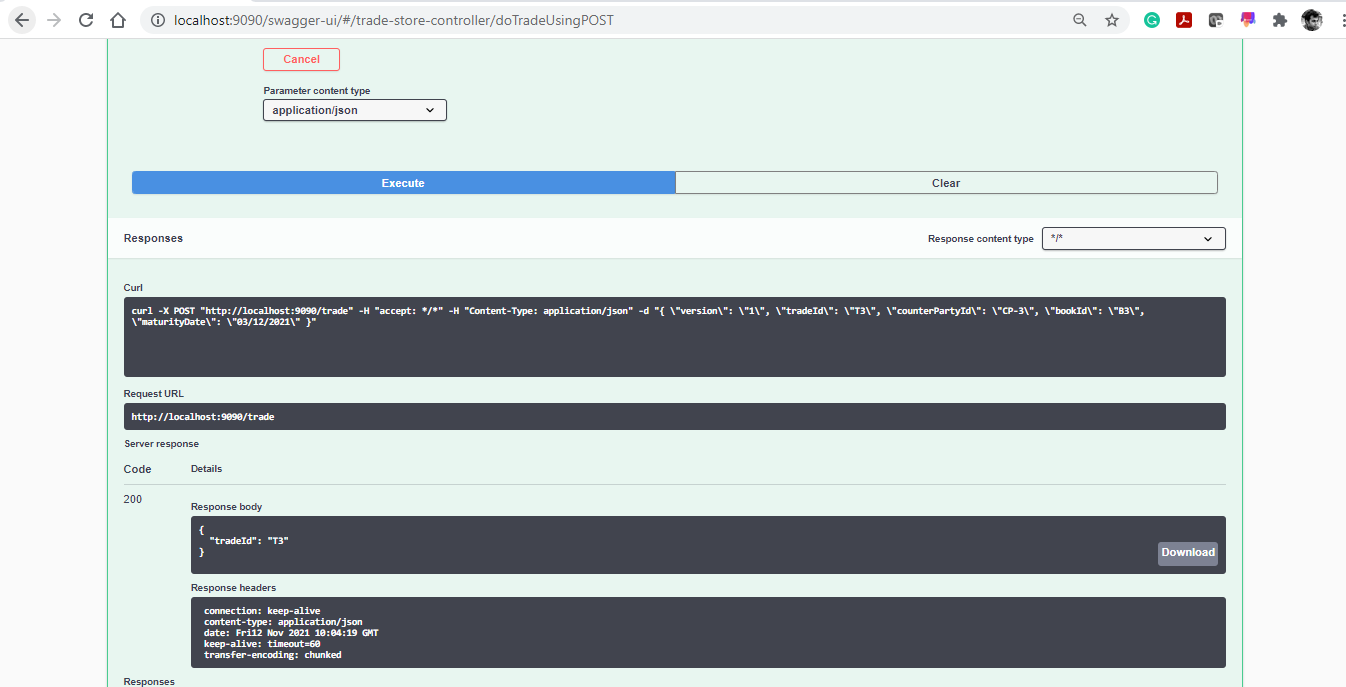
Trade 2



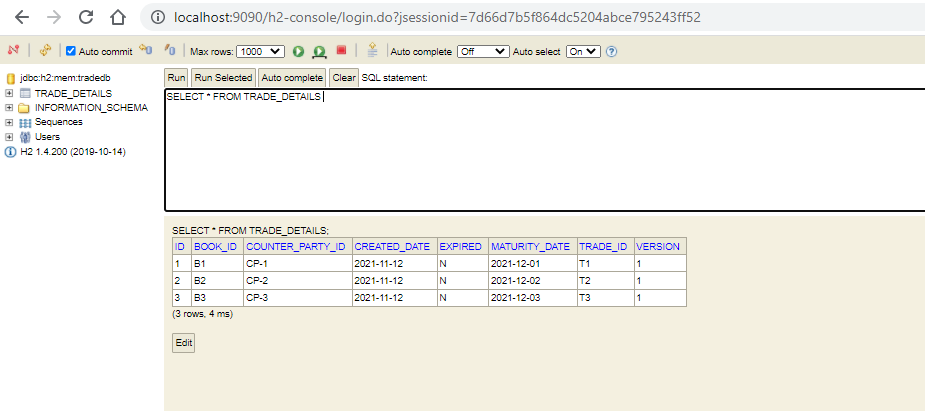


Trade 3





DB Screenshot



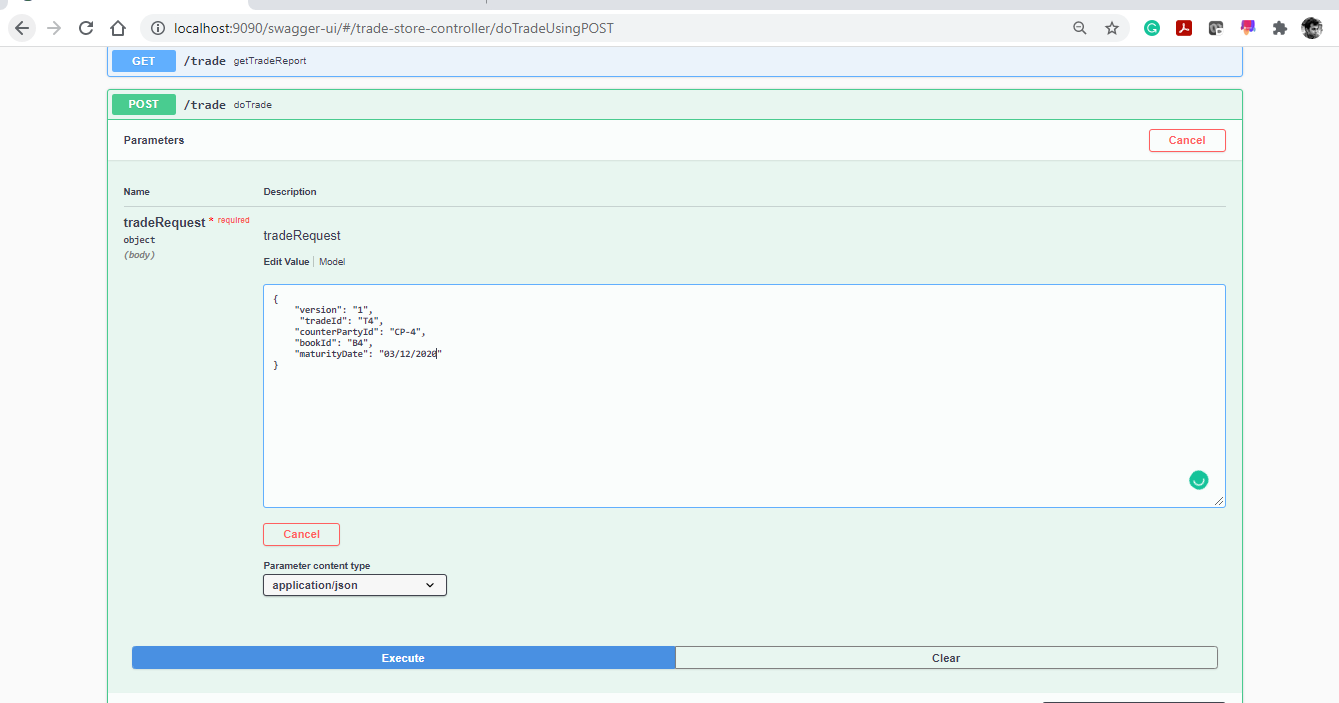
# Test Case 2:

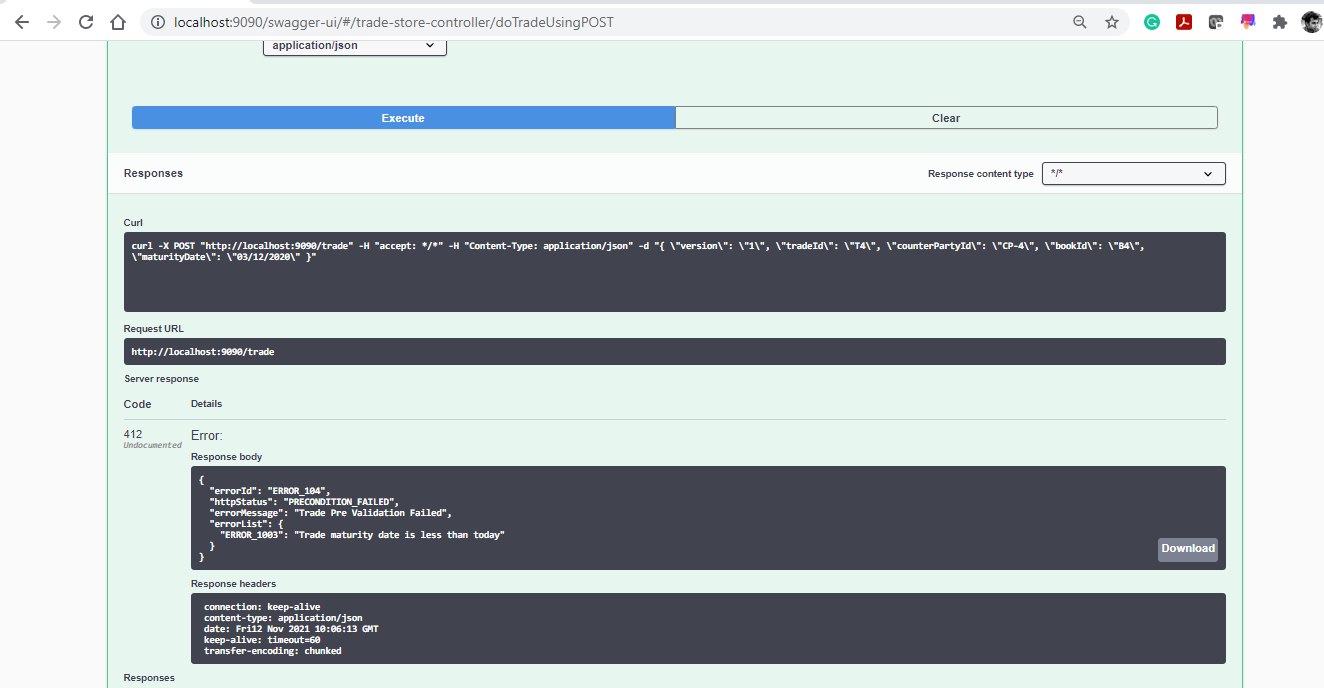
Test Scenario – If maturity date is less than today’s date, system should throw an exception

Expected Result – System Throws Validation exception & Trade is not added to DB

Actual Result – Passed

Screenshots





# Test Case 3:

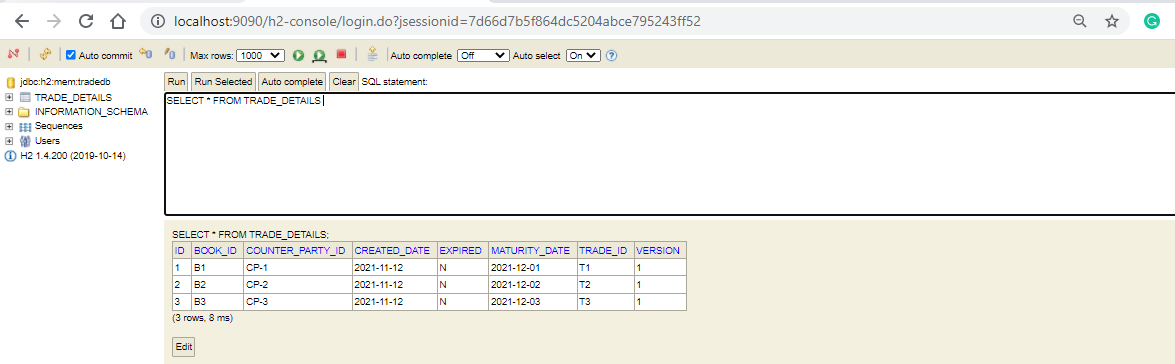
Test Scenario – Trade with same version should update existing record

Expected Result – Trade Should be updated in DB

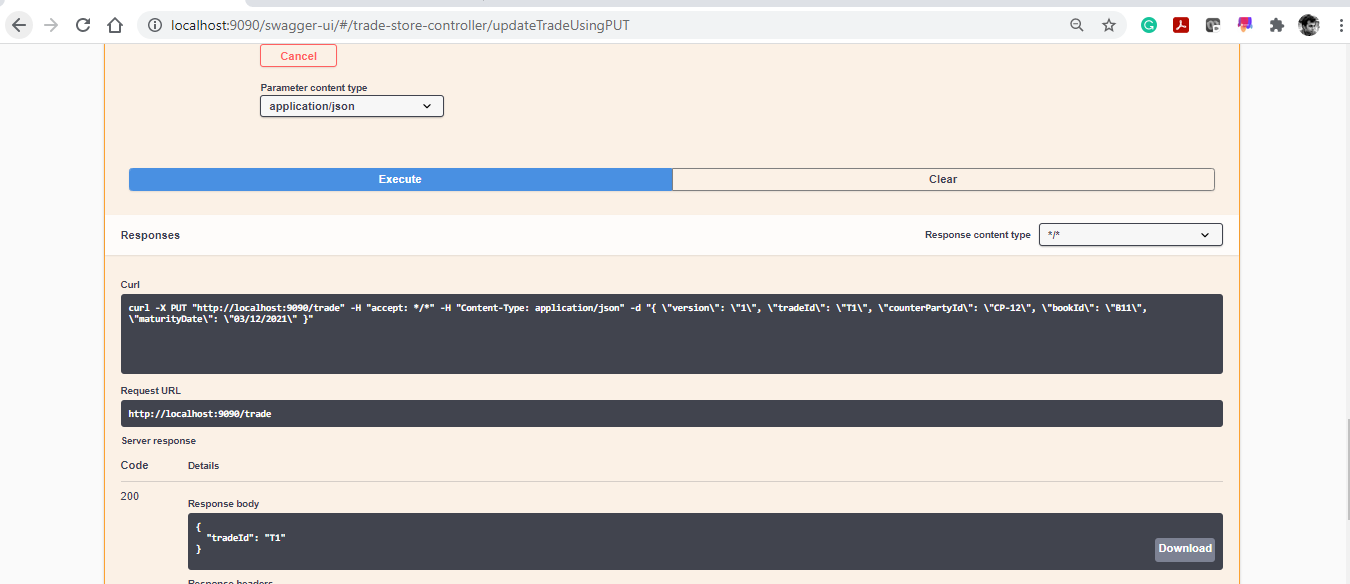
Actual Result – PASSED

Screenshots

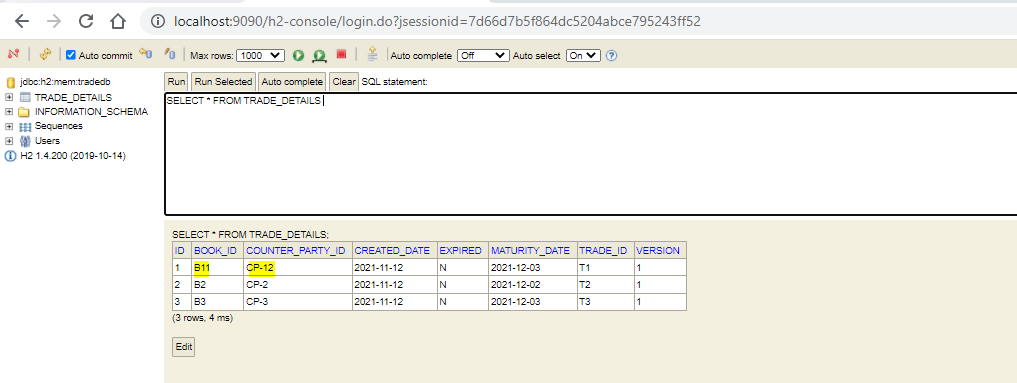
Initial DB State







Final State of DB



# Test Case 4:

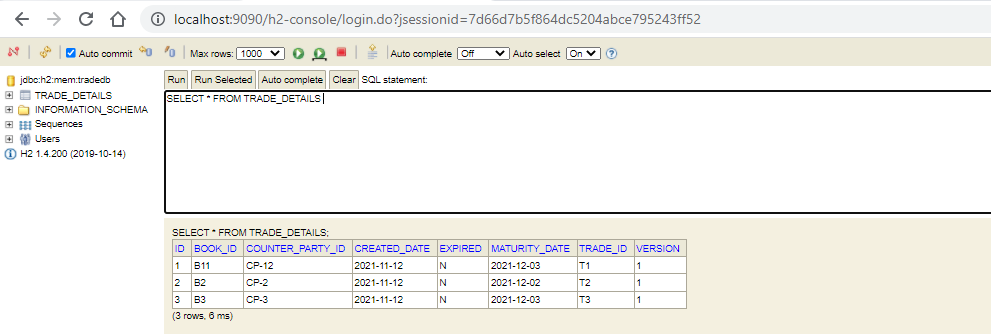
Test Scenario – Trade with higher version should be added to DB

Expected Result – Trade should be added

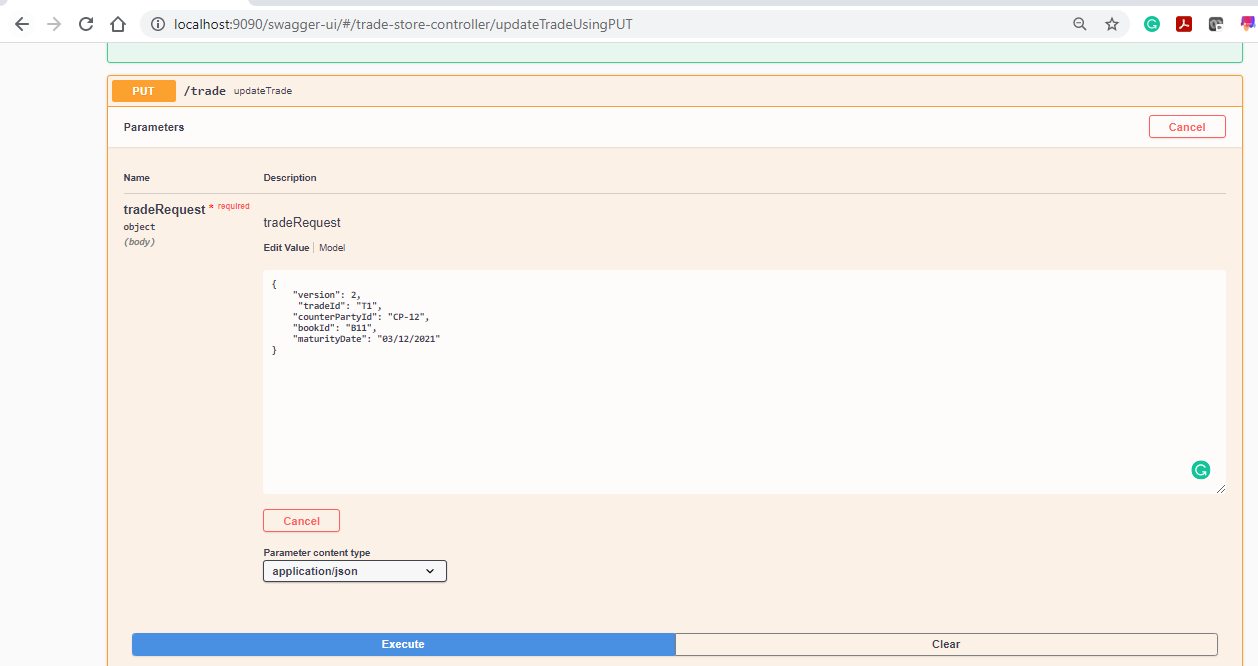
Actual Result - PASSED

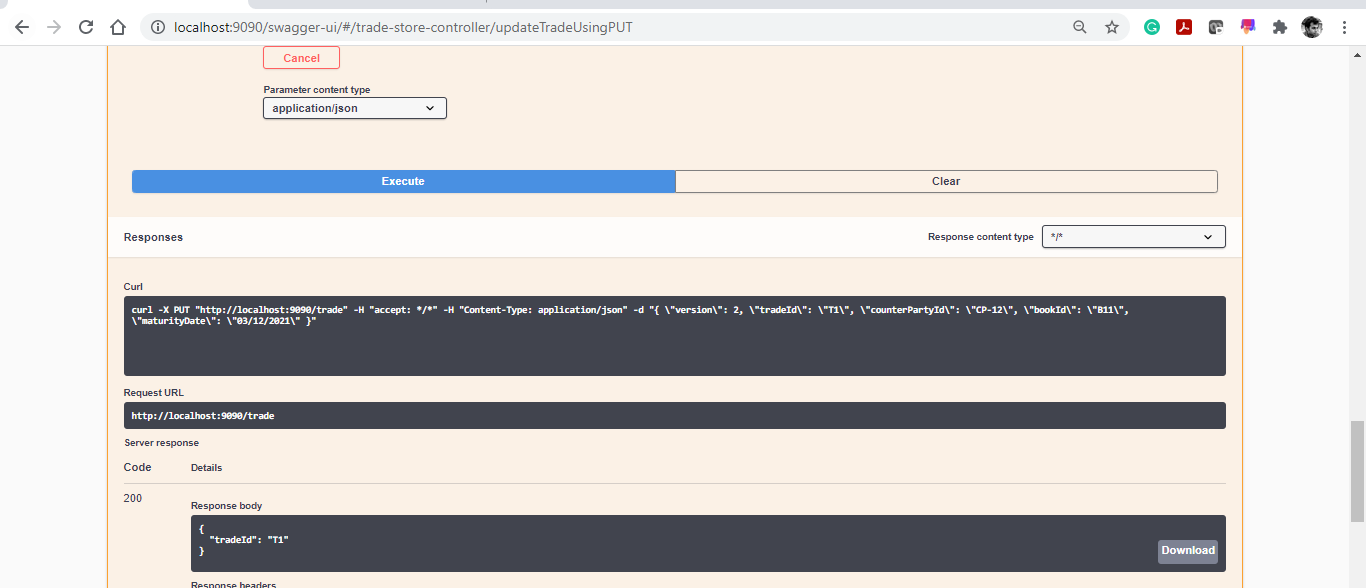
Screenshots

Initial DB Screenshot

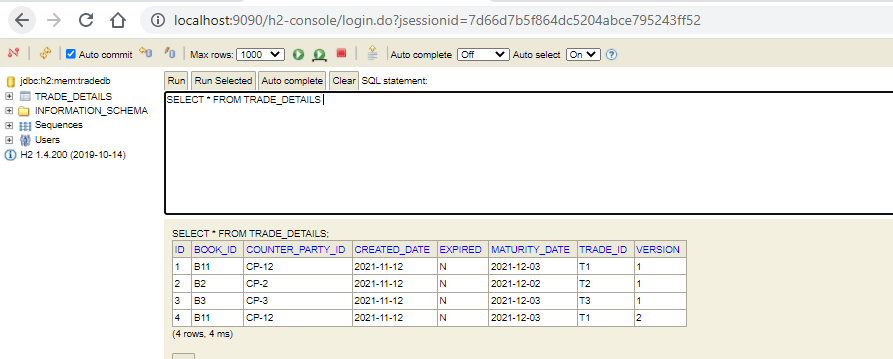


Adding Trade with higher version





Final DB State



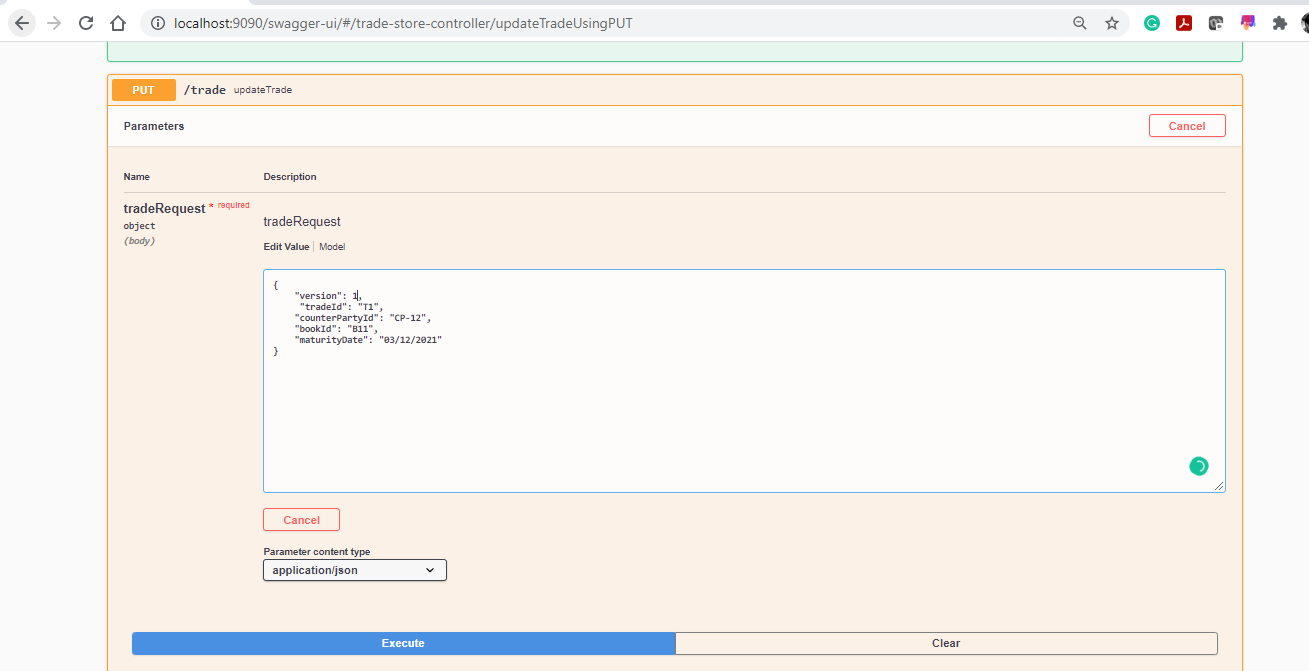
Test Case 5:

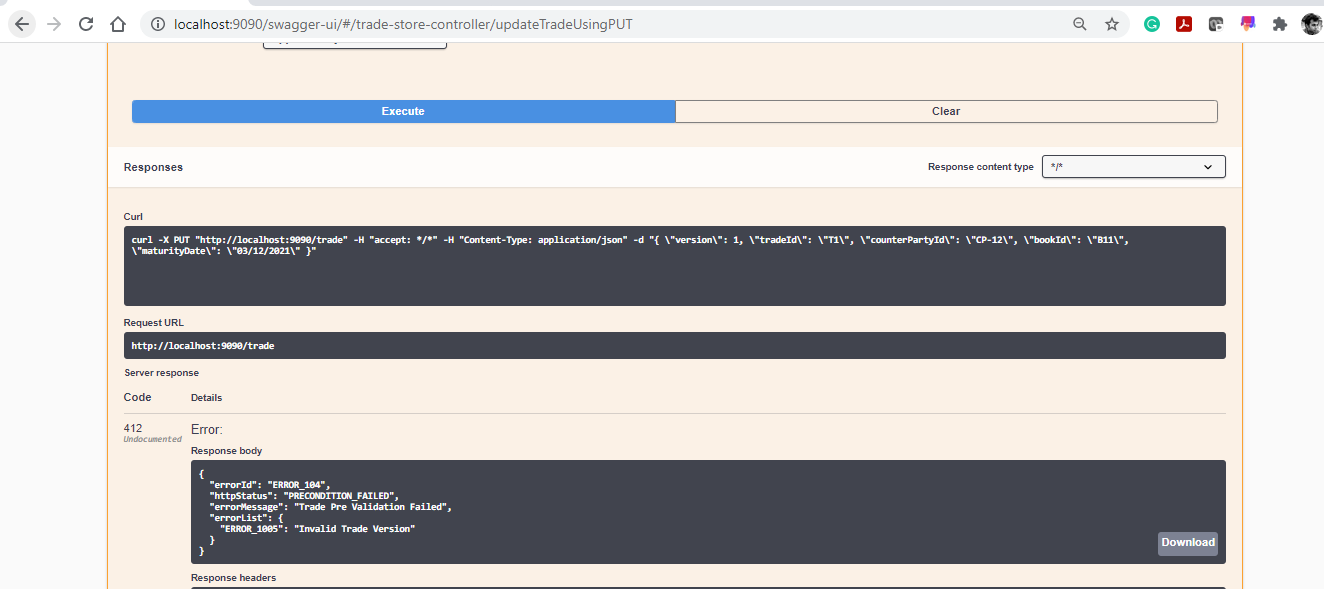
Test Scenario – Trade with lower version should not be allowed

Expected Result – Application should throw exception

Actual Result - PASSED

Screenshots





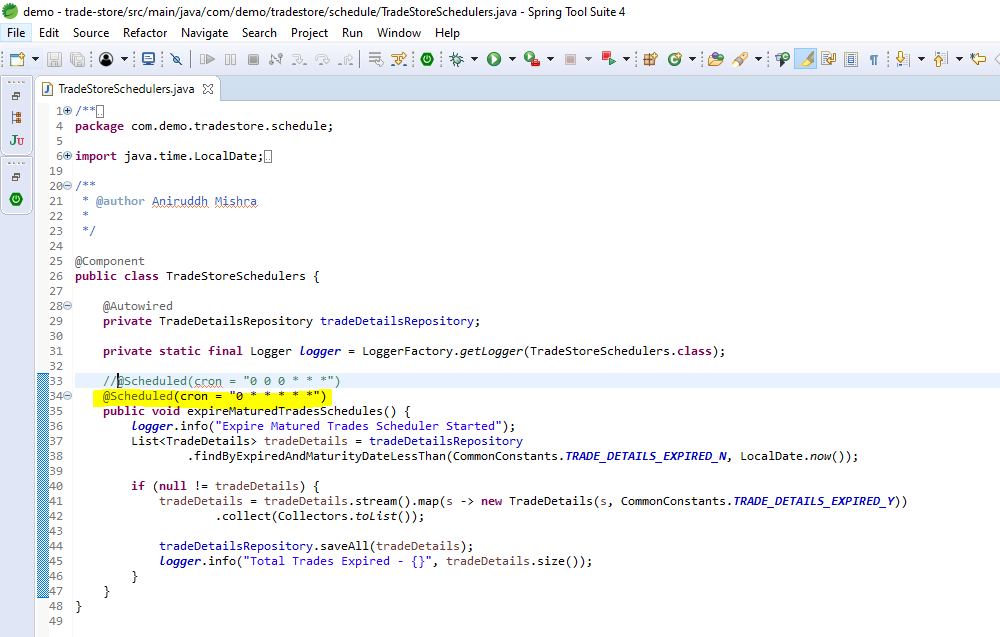
# Test Case 5:

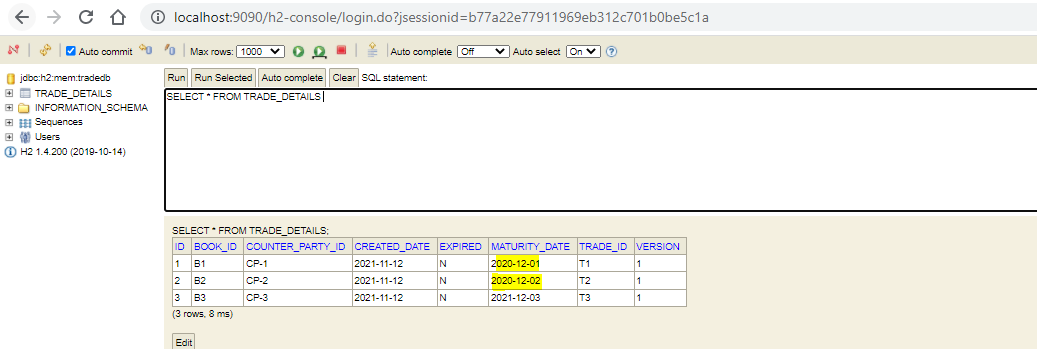
Test Scenario – Scheduler should expire Trade older than today’s date

Expected Result – Status of Trade is changed to Expired - Y

Actual Result – PASSED

Assumption – To test this scenario, DEV team have changed Maturity date from backend & updated schedule cron to 1 minute ( actual – every night 12:00 AM )





Screenshots

Scheduler Logs

|  |
| --- |
| [2m2021-11-12 16:10:00.002[0;39m [32m INFO[0;39m [35m7548[0;39m [2m---[0;39m [2m[ scheduling-1][0;39m [36mc.d.t.schedule.TradeStoreSchedulers [0;39m [2m:[0;39m Expire Matured Trades Scheduler Started  Hibernate: select tradedetai0\_.id as id1\_0\_, tradedetai0\_.book\_id as book\_id2\_0\_, tradedetai0\_.counter\_party\_id as counter\_3\_0\_, tradedetai0\_.created\_date as created\_4\_0\_, tradedetai0\_.expired as expired5\_0\_, tradedetai0\_.maturity\_date as maturity6\_0\_, tradedetai0\_.trade\_id as trade\_id7\_0\_, tradedetai0\_.version as version8\_0\_ from trade\_details tradedetai0\_ where tradedetai0\_.expired=? and tradedetai0\_.maturity\_date<?  Hibernate: call next value for hibernate\_sequence  Hibernate: call next value for hibernate\_sequence  Hibernate: insert into trade\_details (book\_id, counter\_party\_id, created\_date, expired, maturity\_date, trade\_id, version, id) values (?, ?, ?, ?, ?, ?, ?, ?)  Hibernate: insert into trade\_details (book\_id, counter\_party\_id, created\_date, expired, maturity\_date, trade\_id, version, id) values (?, ?, ?, ?, ?, ?, ?, ?)  [2m2021-11-12 16:10:00.044[0;39m [32m INFO[0;39m [35m7548[0;39m [2m---[0;39m [2m[ scheduling-1][0;39m [36mc.d.t.schedule.TradeStoreSchedulers [0;39m [2m:[0;39m Total Trades Expired - 2 |

DB State after Scheduler execution

