Middleware GSD (WS 2017) – Exercise 6

Submitted: 22. Nov.2017

Educational Objective:

Asynchronous Processing, JMS, Message Driven Beans

Task 1 (Fundamentals of JMS):

I.   Please summarize pages 45-1 to 45-19 (Java Messaging Service) of the Java EE 7 tutorial on about one page!
II. Explain the relationship between JMS and MDB. What other possibilities beside MDBs exist in Java to program message consumers?

Task 2 (Message Driven Beans):

I.   Modify your Tax Servlet program so that a record with the amount, tax rate, currency, date and time of the call is written into a message queue.
II.   Write a Java Messages Driven Bean that consumes this message and stores the record as text in a .csv (Comma Separated Values) file.
III. Write a second Java program (not a MDB) that can also read from the same message queue and print all messages out on the application server's console.