Online [[Transaction]] Processing

- write-heavy database workloads
- applications
  - financial
  - commercial
  - medical
- benchmarks
  - measures all processing done
- e.g. TPC-C benchmark

- **Example TPC-C**
  - 45% New-Order
  - 43% Payment
  - 4% Order Status
  - 4% Delivery
  - 4% Stock Level

  [http://www.tpc.org/tpc_documents_current_versions/pdf/tpc-c_v5.11.0.pdf]

New Order Transaction:
1) Get records describing a
   warehouse (tax), customer, district
2) Update the district to increment
   next available order number
3) Insert record into Order and NewOrder
4) For All Items
   a) Get item record (and price)
   b) Get/update stock record
   c) Insert OrderLine record
5) Update total amount of order